

ChatterBox!™

THE ORIGINAL COMMUNICATOR

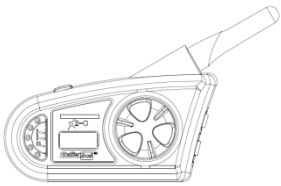
X2-C

LONG RANGE COMMUNICATOR



Owner's Manual

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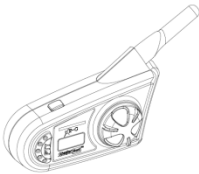


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1. Getting started

What's new?



Thank you for your recent purchase of the Chatterbox X2-C.
The X2-C is the replacement model for our current flagship X2Slim-p.
The X2Slim-p has always been favored by riders for all of its advanced features.
Per your request the X2-C is smaller and lighter with even more features.
The following is a detailed comparison chart that shows the new features of the X2-C.



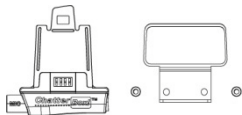
Features	X2-C	X2Slim-p
Wireless PTT	Yes	Yes
Bike to Bike two way communication among unlimited riders	Yes	Yes
22 Channel with 38 talk groups for each channel	Yes	Yes
Hands free voice activation or push to talk capability	Yes	Yes
Rider to passenger communication capability	Yes	Yes
Share music	Yes	Yes
Two way communication with passenger(open group talk)	Yes	Yes
Answer phone calls and listen to music wirelessly	Yes	Yes
True Hi-Fi stereo speakers and noise suppression microphones	Yes	Yes
8 hours of talk time and 20 hours of standby	Yes	Yes
FM Radio	Yes	Yes
Headset with microphones for open and full face helmets including modular	Yes	Yes
Cradle with headset and microphone support for clean install	Yes	Yes
Control Knob for easier rider support	Yes	Yes

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		X2Slim Unit with Battery pre-installed
3		Multi microphone Headset which includes microphones for open and full face helmets, two Velcro speaker disks, two foam microphone covers, and microphone Velcro

5



Helmet mounting bracket with Cradle, two screws and Allen wrench.

Battery

The X2-Cm comes with a rechargeable Li-ion battery pre-installed inside of the unit. Please do not attempt to open the case to replace the battery.

We recommend that the battery be pre-conditioned to restore to the original state.

- 1) Discharge the battery completely by leaving the unit on until the battery is completely drained
- 2) Charge the battery completely using the charger supplied with the kit. It should take about 5 hours to fully charge the battery.

If you are planning to store the unit for a long period of time, store it after fully charging the battery. Upon using it again, please follow the pre-conditioning process described above.

To reduce the risk of damage to the battery, do not use any other charger except the one supplied with the kit. Make sure the battery is always stored at room temperature.

Battery indicator in the LCD display means as followed:

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. Or you can hear a chime sound when it is time to charge the battery.

Installation of headset, main unit, and wired PTTB (Push to talk button)

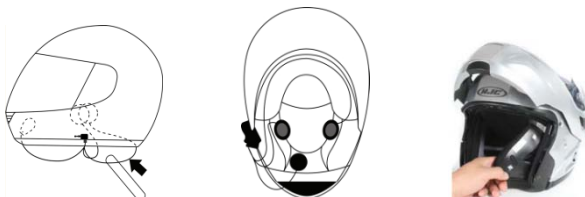
The Multi Headset comes with both open and full face microphones. Choose the one that you intend to use and plug it into the connector on the cradle. Please keep the microphone that you are not using in a safe place for future use. All microphones come with foam cover. For full face helmet, attach soft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



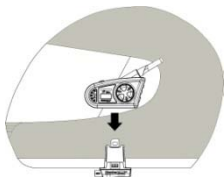
The headset speakers should already have Velcro on the back casing. Simply apply the soft Velcro disks on the liner of your helmet. Mount them in the indentation of the helmet padding where your ears would line up. Please keep in mind that you need to mount the speakers in a location that is directly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



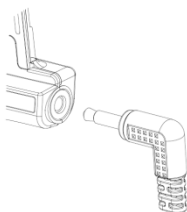
Attach the right speaker (with the longer wire) to the corresponding Velcro disk that you applied on the helmet liner. Attach the left speaker (with the shorter wire) to the other Velcro disk. For helmets with speaker pockets, simply insert the speakers in each corresponding pocket. Use the wooden wire tuck stick to gently tuck all wires between the headliner and the shell of the helmet as shown below. If your 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 X2Slim unit to the grooves on the mounting bracket. Slide the X2Slim unit down on the mounting bracket until it latches firmly into place.



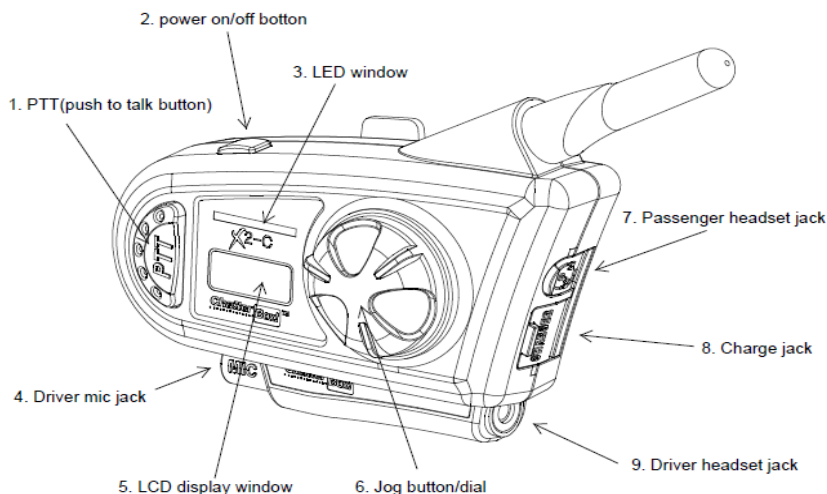
Insert the 3.5mm plug of the headset into the Rider's headset jack on the bottom of the cradle.



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.



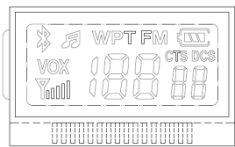
	Buttons & Inputs	Description These are brief descriptions of the buttons and inputs. Detailed descriptions and specific instructions will be provided later in the manual
1	PTT(push to talk)	1) Transmit to other riders or your passenger. 2) Press the power button and PTT button at the same time for pairing wireless PTT 3) Return to Communication Mode in the Setup Status
2	Power Button	Turn the X2-C on and off
3	LED window	Represents the state of Bluetooth pairing
4	Driver MIC(Cradle)	Rider MIC Input
5	LCD	Displays the status of each mode
6	Jog button/Dial	1) Access the different mode functions. 2) Answer and end the phone calls 3) Choose the FM radio stations. 4) Volume up/down
7	Passenger Ear Jack	Input for Passenger Headset
8	Charger	Wall charger port
9	Driver Headset(Cradle)	Rider Headset Input

■ **Multi-function buttons:** Jog button handles more than one function. The following are 3 ways of pressing the buttons in order to control the different functions of the X2-C.

Long press	Press the button and hold it for 3 seconds
Double Press	Press briefly twice within half seconds
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)
	VOX	You long press Jog button
	FM Radio	You press the Jog button shortly twice and turn the Jog dial to FM Radio mode
	Intercom	You press the Jog button shortly twice and turn the Jog dial to Intercomm mode
	Battery meter	(Shows status of battery power)
	Music	You press the Jog button shortly twice and turn the Jog dial to Music Play mode
	Talk Group Type	(Indicates that the sub-channel is in use)
	Wireless PTT	(Unit is paired to a Wireless PTT)
	Talk group	(Shows talking group number)
	Channel	(Shows Channel number)


short press Jog button

If you press the Jog button 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.

Press Jog button	Setting control for:	LCD Display	Description of current state
1 time	Channel	Blinks Antenna bar	<ul style="list-style-type: none">Rotating the Jog dial to select the desired channel between 1-22.If you press the PTT key to return to Communication mode
2 times	Talk Group	Sub-chann el no.	<ul style="list-style-type: none">Rotating the Jog dial to select the desired channel between 1-38.If No tone selects the 0If you press the PTT key to return to Communication mode
3 times	vox	Blinks vox	<ul style="list-style-type: none">Rotating the Jog dial to select the desired vox levelIf you press the PTT key to return to Communication mode
5 times	Voice calling	Blinks Bluetooth symbol	<ul style="list-style-type: none">Rotating the Jog dial to select the voice call on or off.If you press the PTT key to return to Communication mode
6 times			<ul style="list-style-type: none">Complete audio is output.If you press the PTT key to return to Communication mode
7 times			<ul style="list-style-type: none">Communication Mode to return to

double press Jog button

If you wish to mode selection, press the Jog button twice briefly. Pressing the Jog button shortly twice the current set mode is the audio output. You turn the Jog dial to select the desired mode.

Press Jog dial	Setting mode	LCD Display	Description of mode
1 time	Communication	Displays antenna bar	<ul style="list-style-type: none"> Bike to bike communication
2 times	Intercom	Blinks 'I'	<ul style="list-style-type: none"> Rider to passenger communication
3 times	FM Radio	Displays 'FM'	<ul style="list-style-type: none"> FM Radio Listening
4 times	Music playing	Displays 	<ul style="list-style-type: none"> Connection with the Bluetooth device

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	Bike to Bike Group Communicator	Bike to bike 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 talk groups for each channel, users can have 836 different possibilities of having their own communication path.
B	Rider to passenger communicator	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 NOT in intercom mode both you and your passenger can communicate with other bikes that are on the same channel. Your 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 automatically or manually.

3. Bike to bike communication

The X2-C can communicate with an unlimited number of riders. Before riding everyone must turn their units on and make sure they are on the same main channel and talk group. In order to transmit to other riders you must use the voice activation, handle bar mount PTT button, or the PTT on the unit. Once you talk, everyone on your channel will hear. However, only one person at a time can talk. It is a good idea to use the word "over" 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.

Set Volume level: There are two types of volume level control shown below:

- Headset speaker volume:** The volume is adjusted by turning left or right the Jog dial.
- Microphones volume:** There is no volume control for microphones. System has a default volume level.

Choose a channel for the group: After briefly pressing the Jog button once to select the desired channel. Press the Jog button briefly to have to choose between 1-38. Press the PTT key to return to the Communication mode, or after 5 seconds, it automatically returns to the Communication Mode. Make sure everyone in your group has set up same channel and talk group. Then you are ready to communicate.

Press Mode button	MODE selected:	Description of mode
1 time	Main Channel	Short press Jog button Rotating the Jog dial to select the desired channel between 1-22. Exit to the Communication mode, if you press the PTT key
2 times	Talk Group	Short press Jog button Rotating the Jog dial to select the desired channel between 1-38. If you choose to 0. There is no set Talk Group. Exit to the Communication mode, if you press the PTT key

Frequency table.

Channel	Frequency	Maximum Range	Channel	Frequency	Maximum Range
1	FRS	2 miles	12	FRS	2 miles
2	FRS	2 miles	13	FRS	2 miles
3	FRS	2 miles	14	FRS	2 miles
4	FRS	2 miles	15	FRS	2 miles
5	FRS	2 miles	16	FRS	2 miles
6	FRS	2 miles	17	FRS	2 miles
7	FRS	2 miles	18	FRS	2 miles
8	FRS	2 miles	19	FRS	2 miles
9	FRS	2 miles	20	FRS	2 miles
10	FRS	2 miles	21	FRS	2 miles
11	FRS	2 miles	22	FRS	2 miles

Channel 10 is an Emergency Channel. Use the emergency channel only for the purpose of soliciting or rendering assistance to a traveler. This channel is also used by certain organizations during emergency situations and may not necessarily be monitored. Use CTCSS subchannels for X2Slim-P to X2-C compatibility.

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

Using the voice activation feature(VOX): The voice activation feature 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 Jog button until beeps two times and voice prompt says “VOX on”. To adjust the VOX sensitivity, place the unit into communication mode. Then short press until the voice prompts says “VOX”. Turn the Jog dial until the desired sensitivity is achieved. Setting 5 has the highest sensitivity. Setting 1 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 bike to bike communication

When connected Passenger can 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 Jog button, turn the Jog dial clockwise, and press the Jog button to lock in this mode. This should open an open connection between rider and passenger for communication.

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. You must understand that NOT just ANY 2 Bluetooth devices will always work. 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.

* You will find a chart below that explains the different combinations of accessories and what will work.

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 X2Slim 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 the device you want to pair is near. Please note that you must make sure any other Bluetooth devices in the area are turned off.
2	1) If you want to connect with a Bluetooth device and the connection never previously connected, press the Power key while pressing the Jog button together for 3 seconds at power on. "Bluetooth pairing" the voice prompt is output and X2Slim blinks the green light on LCD 2) The connection to the Bluetooth devices that were previously connected to automatically connect when the power is turned on. (if X2-C is not connected using method 2), you try to do method 1). 3) If you wish to connect with Wireless PTT, you have to put the X2 PTT status to the pairing mode in the first place and press and hold the power key while pressing the PTT key the X2 for three seconds at power on.
3	Follow the "pairing" instructions for your Bluetooth device. Please allow about 30 seconds for your device to search X2-C. If done correctly, you will notice the name "X2-C" on your devices Bluetooth list.
4	Press and hold the UP button for 3 seconds until the LCD display shows "Bt on". You will notice that the X2-C(X2) will now connect with your device. (If you find X2-C, click "X2-C " in the device screen shown at the Bluetooth device. The "Bluetooth connected" voice output in X2 and the Bluetooth mark is displayed on the LCD screen at X2-C

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. Table shown below summarizes the way you can pair multiple devices simultaneously.

There are two ways you can get all three, music, navigation, and phone simultaneously.

The first way is by using a navigation system that supports pairing with mobile phone. This does NOT mean that any navigation system with Bluetooth will work. These types of Navigation systems are usually the motorcycle specific models. (Garmin Zumo and Tom Tom Rider models) In this case, you need to pair your mobile phone to the Navigation system first then pair the navigation system and MP3 player to the X2-C.

The second way is to buy one of the navigation apps for your Smartphone that supports In-app music player. With this route you can do the following all from your Smartphone; hear your voice prompted directions, answer/make phone calls, and listen to music from the Mp3 player. We highly recommend this setting.

Bluetooth enabled devices				Music	Navigation	phone	
Smart phone	Mobile phone	MP3 player	Navigation				
Ways to pair two devices							
1				Yes		Yes	
2					Yes	Yes	
3				Yes	Yes		
Way to pair three devices							
4				Yes	Yes	*Yes	*Navigation systems that supports pairing with phone: TomTom rider2, Zumo550
Smart way to get music, navigation, and phone simultaneously by pairing one device							
5				Yes	Yes*	Yes	*You need to buy GPS apps for your Smartphone that supports In-App Music player (Gokivo, TomTom)

Using Smartphone to get music, phone, and navigation; 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 will hear your music faded away and get paused and start hearing engine revving sound. You simply short press Jog button on X2-C to answer. If you want to end the call, just short press Jog button again. As soon as you end the call, the music will play back automatically.

If you want to use navigation system, you need to buy one of the navigation apps offered for your Smartphone. Please make sure you get the In-App music player for more streamlined operation. Unlike the navigation systems that rely on network to get the maps and information, there are systems that you still can use even during the absence of network by accessing the maps and information already downloaded in your Smartphone. If you phone has enough disk space, this option is the most suitable for the motorcycle riders.

*For longer ride, you need to have charger for your Smart phones if you want to use navigation system.

Remote control: The X2-C Bluetooth feature can also remotely control the devices 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	GPS	Cell phone	Buttons to use (Only in Bluetooth* mode)
Pause and Play	Yes			Short Press Jog button
Skip track	Yes			Rotate the Jog dial to the right in pressing Jog button
Reverse track	Yes			Rotate the Jog dial to the left in pressing Jog button
Volume UP & DOWN	Yes	Yes	Yes	Rotate the Jog dial to the left(down) or right(up)
Answer incoming call			Yes	Short Press Jog button
End incoming call			Yes	Short Press Jog button

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

You must be in Music Play 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,

1. Go to the mode change state twice briefly pressing the Jog button
2. Within 3 seconds, turn the Jog dial to select the FM Radio mode.
3. FM Radio is automatically Turn On
4. when you want to turn off FM Radio you go to the mode change state twice briefly pressing the Jog button and rotate Jog dial to select another state.

Change volume: While listening to the radio, Rotate the Jog dial to the left(down) or right(up) to adjust the volume.

Search FM radio stations

1. If you want to choose FM radio stations automatically
After short press Jog dial, you rotate Jog dial left or right to select FM Radio Station.
2. If you want to choose FM radio stations manually
Based on the currently selected FM radio stations while press Jog button you turn the Jog dial right up 100Khz unit, turn the Jog dial to the left down 100Khz basis. Select the desired FM Radio 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.

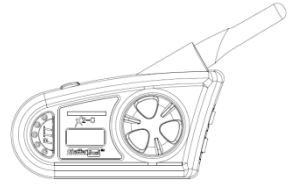
1		<p>Turn on X2-C procedure</p> <p>1) If you want to connect with a Bluetooth device and the connection never previously connected, press the Power key while pressing the Jog button together for 3 seconds. "Bluetooth pairing" the voice prompt is output and X2-C blinks the green light on LCD</p> <p>2) The connection to the Bluetooth devices that were previously connected to automatically connect when the power is turned on. (if X2-C is not connected using method 2), you try to do method 1) for connection.)</p> <p>3) If you wish to connect with Wireless PTT, you have to put the X2-C PTT status to the pairing mode in the first place and press and hold the power key while press the PTT key in the X2-C for three seconds.</p>
2		<p>Choose and set the channel and talk group. Test with PTT button or Voice activation to see if everyone can hear each other.</p>

3		Pair your Smartphone with Navigation app to the X2-C.
4		After X2-C is putted the Music Play mode you access navigation system in your Smartphone and initiate the navigation by inputting destination. Afterwards start your mp3 player.
5		Now you should hear your music and hear the turn by turn direction from your navigation system occasionally. You are also ready to answer your phone calls by short pressing the Jog button. Lastly you can communicate with your fellow riders who are on the same channel.

Priority: 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 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 (Default setting)	Rider to Passenger communication (private)	Bluetooth feature	FM Radio
To Activate	Press power on/off button	Select Intercom mode	Press the power button while pressing the Jog button	Select FM Radio mode
To deactivate	Press power on/off button	Press twice briefly to Jog dial and choose a different mode		Press twice briefly to Jog dial and choose a different mode
Volume up	Rotate the Jog dial to the right	Rotate the Jog dial to the right	Rotate the Jog dial to the right	Rotate the Jog dial to the right
Volume down	Rotate the Jog dial to the left	Rotate the Jog dial to the left	Rotate the Jog dial to the left	Rotate the Jog dial to the left
To talk	Press and hold PTT or Use voice activation			
To Answer phone call	Short press Jog button	Short press Jog button	Short press Jog button	Short press Jog button
To skip music track			Rotate the Jog dial to the right While press the Jog button	
To reverse music track			Rotate the Jog dial to the left While press the Jog button	
To pause and play			Short press Jog button	
To skip radio station				Short press Jog button and turn Jog dial to the right
To reverse radio station				Short press Jog button and turn Jog dial to the left
To select radio station manually				Turn the Jog dial left or right while pressing Jog button

Technical Specification

GENERAL

Frequency range	From 462.550 MHz to 467.7125 MHz
Modulation type	8K50F3E
Channel capacity	22 Channels
Channel spacing	12.5KHz
Power supply pack	DC 3.7 V; Li-ion rechargeable
Current drain transmitter	(1W); <1000mA
Battery life	8 hours talk time, 20 hours of stand by time
Operating temperature	-20C + 60C
Dimensions	82(H) x 130 (W) x 37 (D) mm
Weight	3.2 oz. (with battery)
TRANSMITTER	
Frequency stability	Better than +/- 5ppm within
Hum & Noise	-40dBc (with 300Hz to 3KHz audio filter)
Spurious & Harmonics	-60dBc
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)

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.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

Specific Absorption Rate (SAR) information:

This device meets the government's requirements for exposure to radio waves. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons regardless of age or health. FCC RF Exposure Information and Statement the SAR limit of USA (FCC) is 1.6 W/kg averaged over one gram of tissue. Device types: This device has also been tested against this SAR limit.

This device was tested for typical body-worn operations with the back of the This device kept 0mm from the body. To maintain compliance with FCC RF exposure requirements, use accessories that maintain an 0mm separation distance between the user's body and the back of This device. The use of belt clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided.

- DO NOT operate the radio without a proper antenna attached, as this may damage the radio and may also cause you to exceed RF exposure limits. A proper antenna is the antenna supplied with this radio by the manufacturer or an antenna specifically authorized by the manufacturer for use with this radio, and the antenna gain shall not exceed the specified gain by the manufacturer declared.

- DO NOT transmit for more than 50% of total radio use time, more than 50% of the time can cause RF exposure compliance requirements to be exceeded.

- During transmissions, your radio generates RF energy that can possibly cause interference with other devices or systems. To avoid such interference, turn off the radio in areas where signs are posted to do so.

- DO NOT operate the transmitter in areas that are sensitive to electromagnetic radiation such as hospitals, aircraft, and blasting sites.

- Portable Device, this transmitter may operate with the antenna(s) documented in this filing in Push-to-Talk and body-worn configurations. RF exposure compliance is limited to the specific belt-clip and accessory configurations as documented in this filing and the separation distance between user and the device or its antenna shall be at least 2.5 cm. Highest Reported SAR XXX W/Kg for Front of face, Highest Reported SAR XXX W/Kg for Body worn.

General population/uncontrolled Radio, this radio is designed for and classified as "General population/uncontrolled Use".