



INSTRUCTION MANUAL

Helmet Bluetooth® Intercom Headset



FX Plus

Welcome

Thank for choosing FX Plus, a FreedConn Bluetooth intercom headset.

By purchasing FreedConn products, you will get the most intimate protection and the most hassle-free after-sales service. All the products we present to you are manufactured to the highest standards of performance and safety. We also offer a 1-year full warranty as part of our philosophy of customer service and customer satisfaction. We hope that your purchase will bring you high-quality experience for many years.

Safety tips:

*Wearing a FreedConn headset while riding will reduce your ears' ability to pick up ambient sounds. Listening to music at maximum volume for a long time, with the addition of temporary adaptation, will prevent a person from hearing soft sounds, which may lead to permanent hearing damage.

Warm reminder:

*In order to enable you to obtain the best sound quality experience, it is recommended that the distance between the headset and the ear remains within 2 mm during installation.

* Please make sure to charge the FX Plus for at least 1.5 hours before the first use.

1.Product Functions

- Mesh dynamic networking
- As many as 16 users online at the same time
- Group Bluetooth intercom
- 400 to 1500 meters intercom (subject to the environment)
- Floating microphone (microphone contending)
- AI noise reduction for the microphone
- Wall-penetrating communication
- Support group intercom audio mixing (intercom with music or navigation sound mixing)
- Five independent communication channels
- Music sharing in the state of group intercom.
- Connect to devices with Bluetooth, such as GPS, mobile phones.
- Connect to Bluetooth intercom headset from other brands

2. Accessory List



Bluetooth intercom headset x1



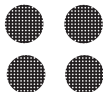
Headset clips x2



Microphone x2



Loudspeaker x1



Headset Velcro x4



Mini microphone Velcro x 2

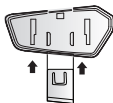


Charging cable x 1



User manual x 1

3. Installation Steps



- 1 Install the base



- 2 Attach the base in a suitable position the left side of the helmet.



- 3 Align the card slot and attach the FX Plus host to the base



- 4 Attach the Velcro of the headset to the ears positions Inside the helmet

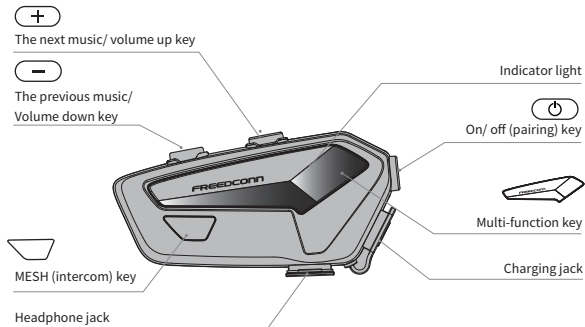


- 5 Attach the FX Plus to the velcro.

















- 6 Plug the headphones into the FX Plus headphone jack

4. Control Panel Introduction
















5. Basic Operation



Function	key	Operation	Voice prompt	LED indicator ling
Power on		Press and hold for 2 seconds	Welcome to use FreedConn products, then report the remaining power	The blue light quickly flashes twice then turn to flash twice every 6 seconds
Power off		Press and hold for 3 seconds	Power off	The red LED indicator light is on and then off
Language switch	 + 	In the shutdown state, click the on/off/(pairing) button and the MESH (intercom) button at the same time	Welcome to use FreeConn product	The blue light is on
Factory resetting	 + 	In the power-off state, press and hold the on/off/(pairing) button and the volume + button for 2 seconds	Recovering the factory settings	

Function	key	Operation	Voice prompt	LED indicator ling
Check channel number and electric quantity		After turning on MESH intercom, double-click the MESH (intercom) button to query the current channel number and remaining battery	Report the current channel and electric quantity	No change
Channel switch	 or 	In the boot state or during the intercom, double click the +/- button to switch up/down between 1~5 channels (members of the same channel under the same leader are required to talk to each other; During the intercom, members can meet with each other to chat privately, and switch back to the team leader's channel after chatting	"Channels 1~5"	
VAD sensitivity adjustment	 +  or 	After turning on MESH intercom, click the multi-function key and the "+" key at the same time/the multi-function key and the "-" key to switch the VAD sensitivity up/down between 1~5 level (default 2nd level)	"Sensitivity 1~5"	
Turn on/off the microphone	 + 	After turning on the MESH intercom, click the MESH (intercom) key and the "-" button at the same time to turn off/on the intercom microphone	"Microphone on/ Microphone off"	No change
Automatic shutdown	After power on for 15 minutes, if it isn't connected with any other devices and doesn't operate any actions, it will automatically shut down			

6. Connect to Mobile Phones or Other Bluetooth-enabled Devices

Function	Key	Operation	Voice Prompt	LED indicator ling
Connect to a mobile phone		In power on state, double click the on/ off (pairing) key to enter the pairing state. Open the mobile phone Bluetooth list and choose the device named as FX Plus.	"Pairing state" "Bluetooth Connected"	Pairing status: red and blue lights flashing alternately, Connected: Blue LED flashes
Reconnect with the mobile phone once it is turned on		In power off state, press and hold power on/off(pairing) buttons for 2 seconds and release it, the host device will automatically reconnect with the mobile phone connected last time.	"Bluetooth Connected"	The blue LED flashes when it is reconnected
Manual re-connection		In power on and standby state or intercom mode, click the multi-function key to reconnect with the device connected last time.	"Bluetooth Connected"	The blue LED flashes when it is reconnected
Shut down the pairing status		Double-click the on/off/(pairing) button	"Pairing off"	Pairing status: red and blue lights flashing alternately, Unpaired Status: Blue LED flashes
Reject an incoming call		press and hold it for 2 seconds and then release it	"call rejected"	No change
Answer the call		When there is no operation after pressing the multi-function button once or ringing for 15 seconds,the incoming call will be answered automatically	"call answered"	When the call comes, the blue light is always on, the red
Terminate the call		Press the multi-function key once during a call	"call hang up"	No change

Function	Key	Operation	voice prompt	LED indicator ling
Turn automatic call answering on or off		When the power is on and the music is paused, press the on/off/(pairing) button and the multi-function button at the same time for 2 seconds and then let go.	"enable auto answer" or "disable auto answer"	No change
The call voice switches between the phone and the headset		Press and hold the multi-function button for 2 seconds	"Toot. Knock knock"	when the call voice is heard on the headset the blue light will flash for 6 seconds, when it is switched to the mobile phone, the red light will flash
wake up your voice assistant		After connecting your phone, double-tap the multi-function button in standby mode	"Voice call"	No change
Play music Pause the music		With the music player open, click the multi-function key to toggle between play and pause		The blue LED light flashes
Volume up		Long press the volume up key (to adjust the intercom volume during MESH dynamic networking intercom, it's necessary to pause music playing.	"Maximum volume"	No change
Volume down		Long press the volume down key (to adjust the intercom volume during MESH dynamic networking intercom, it's necessary to pause music playing.	"Minimum volume"	No change
the next song		click the volume up key		No change
the previous song		click the volume down key		No change

Function	key	Operation	Voice prompt	LED indicator ling
Operation of call answering while two mobile phones are connected with the device		Connect A and B at the same time, B has an incoming call when A is on the call, press the multi-function button to end the call of A, and connect to B at the same time	"Didi"	
Connect to third-party brand Bluetooth headsets (Details in Chapter 9)		In the standby state, double click the on/off/(pairing) button, wait for the red and blue lights to flash to enter the pairing mode, and at the same time, the third-party earphone enters the pairing mode connected to the mobile phone according to its manual, then gently press the intercom button of our headset to connect with the third-party earphone	Voice prompts in sequence: "Pairing state" "Double mode" "Intercom connected" "Intercom disconnected"	Pairing state: the red and blue lights flash alternately; Connected: The blue LED light flashes
We-chat voice call	We-chat voice calls can only be answered and hung up via the mobile phone.			

7. Music sharing

Tips:

1. Applicable only when two devices are paired;
2. Must pause music before sharing;
3. Only supports 2 devices sharing music, and it will be useless when one of these two devices hasn't cleared the historical pairing information.






Function	Key	Operation	Voice prompts	LED indicator light
Connect to a mobile phone		In the power-on state, double-click the on/off/(pairing) button to enter the pairing state, open the Bluetooth list of the mobile phone and select "FX Plus".	"Pairing state" "Intercom connected"	Pairing status: red and blue lights flashing alternately, Connected: Blue LED flashes
Connection between 2 host devices (A shares with B as an example)	 	In the power-on state, B double-click the on/off/(pairing) button to enter the pairing mode, and after A pause the music, press and hold the multi-function button for one second to pair	B Tips: "paring state ..." "Turn on sharing" A tip: "Toot . . . Turn on sharing"	No change
Playing/ pause sharing music		Click the multi-function key (both sides can operate)		No change
Music sharing Previous/next song	 or 	Click the volume up/down key (only the sharing user has the right to operate)		
Turn on music sharing while both are playing music (with historical pairing info)		If both parties are paired with mobile phones, they need to pause the music before sharing, and after both parties open the sharing, whoever presses the play button is the sharer	"Turn on sharing"	
Turn on / shut down music sharing (existing historic pairing info)		After sharing and pairing, when the music is paused, both parties can press and hold the multi-function button for one second to turn on/off sharing	"Turn on sharing" "Turn off sharing"	

8. Pairing between FX Plus and the Third-party Brand Bluetooth Device (Intercom)

Tips:

1. Before starting Bluetooth intercom, the two headsets should be connected via Bluetooth.
2. Phone calls are the priority, so intercom can not start if the other user is answering a phone call, only prompt of beep can be heard.

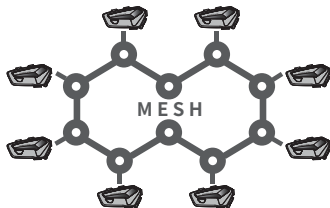


Step	Key	Operation	Voice	LED indicator light
Turn on the FX Plus pairing state		In the power-on and standby state; Double-click the on/off/(pair) button of FX Plus and wait for pairing	"Pairing state"	The red and blue lights flash alternately
Turn on the pairing mode of third-party brand headphones	Read the manual of this model.			
Start the intercom		Click the on/off/(pairing) button of our earphones to complete the pairing; When you hear "intercom connected", you can start intercom.	"Double mode" "Intercom connected"	The blue LED flashes
End/resume intercom		Click the on/off/(pairing) button	"Intercom is disconnected" "Intercom connected"	The blue LED flashes



9. MESH Dynamic Networking


9.1 Basic Operations of MESH Dynamic Networking mode

Tips: MESH dynamic networking mode is intercom among multiple users in 1 km, supporting online answering among maximum 16 users at the same time. In this mode, any FX Plus Bluetooth headset of the same model can join the network by one click.






Introduction to Basic Operations

Step	Key	Operation	Voice prompt	LED indicator light
Start the MESH dynamic networking mode		In power on state, long press the MESH (intercom) key for 2 seconds to create a network	Toot. Create the network. Channel one	The red and blue lights flash alternately
The team members join the network		In power on state, the group members long press the MESH (intercom) key for 2 seconds one by one to join the network.	Toot. Join the network. Channel one.	The green light flash once
Complete MESH dynamic networking		Directly start intercom when hear the voice of the group members		

Step	Key	Operation	Voice prompt	LED indicator light
Exit MESH dynamic networking		The group members can long press the MESH (intercom) key to exit the network immediately (The group leader cannot exit the network in the midway)	Exit the network, Du	
<p>Tip:</p> <ol style="list-style-type: none"> 1. During a MESH dynamic networking intercom, you can hear the navigation prompts and listen to the music, as it supports three-way mixing! 2. During a MESH dynamic networking intercom, if you need to adjust the volume of the group chat intercom, you need to pause the music, otherwise the adjustment is in the volume of music. 				

9.2 Microphone Contending Mode and Channel Switch

Function	Key	Operation	Voice prompt	LED indicator light
Channel switch	 or 	In power on state or during intercom, double click the volume up/ down key to switch from channel 1 to 5.	"Channel 1 to 5"	Pairing state: The red and blue light flash alternately; Connected: The blue LED light flashes
Private chat	The members in the group chat can also proceed short conversations by switching to other channels, and just switch back to the group leader's channel after finishing chatting.			
Forbid/ allow to join		The group leader (the first host device to create the network) clicks the MESH (intercom) button to disable or allow others to join the current network.	"Forbid to join" "allow to join"	
<p>Tips:</p> <p>1. When a group set "forbid to join", and other FX Plus users that are not in the same group start a new network, even they use the same channel, they will not join the network that has set "forbid to join", and will create a new network instead.</p> <p>2. Only the members in the same channel with the same group leader can intercom with one another.</p>				
Microphone contending mode	not	When there are multiple users online, 4 users can speak together. The first leading microphone remains online, the microphone of 2nd, 3rd, and 4th user can be used flexibly. The users can gain the rights to use microphone according to the speaking speed, and the user who hasn't grab the microphone only can listen but cannot speak. When one of the 2nd to 4th users doesn't speak, the other users can grab the microphone again.	"The call is busy"	

10. Technical Parameter

Bluetooth version: 5.1+EDR

Frequency: 2.4 GHZ

Weight: 53g

Size: 83mmx45mmx23mm

Standby time: If there is no operation within 15 minutes after turning it on, it will be turned off automatically and enter the super battery-saving mode.

Travel Charger adapter: DC 5V 1A

Battery type: rechargeable (high energy) polymer battery

Battery material: Ternary material Battery model: 802060

Battery capacity: 1200mAh

Voltage: 3.7V

Power: 4.44Wh

11. Charging and maintenance



- Fully charge your Bluetooth device before using it.
- To extend the life of the built-in polymer battery, charge the device at least once a month.
- If the red light does not light up while charging, the voltage may be too low.

It is best to charge for 0.5-1 hours and then recheck if the Bluetooth receiver is successfully charged.

- Do not store the product in the temperature that is too high (or too low, and the best storage environment is 25°C. It had better not to store the products in the temperature that is lower than -40°C or is above 60°C, otherwise the product life will be shortened.
- Keep away from fire.
- Keep away from the sharp objects, or it probably cause the prints on the device or damage.
- Do not attempt to disassemble the headphones.

12. Tips and troubleshooting

1. The two earphones don't pair well:

Clear the pairing history and reboot to enter the pairing state , then try again.

2. When listening to music, mute one headset or mute the other. Plug the headphones and microphone back in, making sure the headphones are in good contact.

3. One headset is silent:

Maybe the microphone jack is in bad contact, unplug it and plug it in again.

4. Crash Status:

Plug in the charging cable to charge the console and restart the earbuds.

5. Music Sharing Failure:

The pairing information of the host may not be cleared, and you need to clear the pairing information again.

6. If you cannot join the network when you open the MESH dynamic networking intercom, please get close to the team leader and re-open the MESH dynamic networking to join the network.

7. If the music is stuck or won't play, there may be other apps that are taking up the audio channel in the background of your phone. Please check if other apps are running in the background of your phone and close them.

8. Charging failure after power off:

The charger or charging cable does not meet the standard.

9. Bluetooth receiver is dead:

The console must be charged for at least 1.5 hours before first use.

