

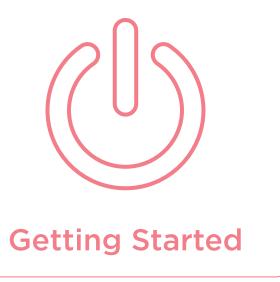
USER MANUAL



This user manual covers everything you need to know about your C50 PRO

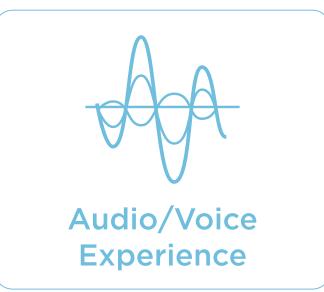




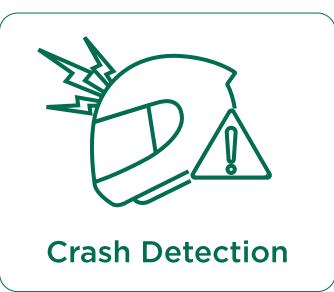


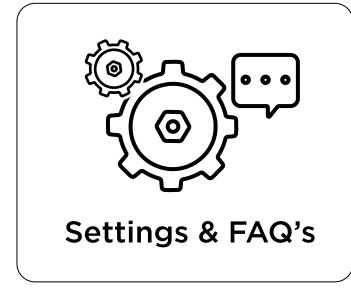














About C50



Congratulations on purchasing your C50



01 - OVERVIEW

02 - WHAT'S IN THE BOX

03 - C50 & THE TSTICK



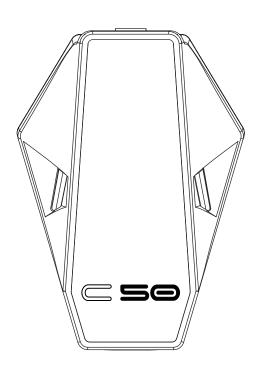
01 **OVERVIEW**



At BluArmor, innovation and value are at the heart of everything we do, and the all-new C50 exemplifies our commitment to pushing boundaries across all segments. This next-generation helmet communication system redefines excellence, showcasing BluArmor's latest technologies in a sleek, world-class package. Building on the proven success of the C30, the C50 seamlessly combines customer needs and desires, addressing every challenge of its predecessor—from design and form factor to usability—while setting a new benchmark in performance and style. The C50 is more than just an upgrade; it's a bold leap forward, making it one of our true flagship products.



O2 WHAT'S IN THE BOX





Wing Mount Compatible ClickDock



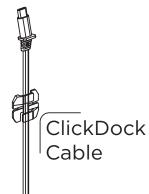
3 Button Module with Cable Manager



Charging Cable



Spare ClickDock

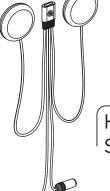


Button Mic





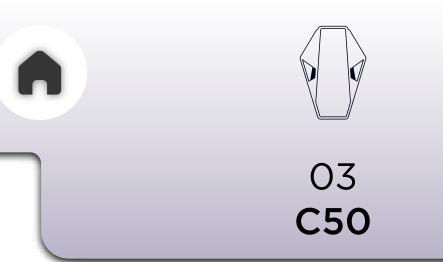


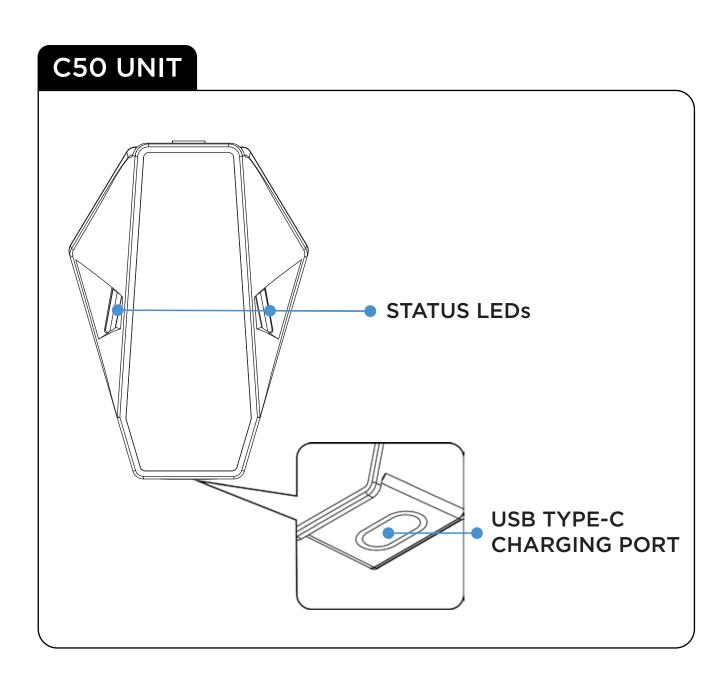


Harness with Speakers



Speaker Spacers and Foams





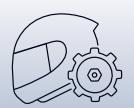




- HEADSET KIT PLACEMENT a 3 BUTTON MODULE
- CONNECTING THE COMPONENTS TO THE HARNESS
- CLICKDOCK INSTALLATION





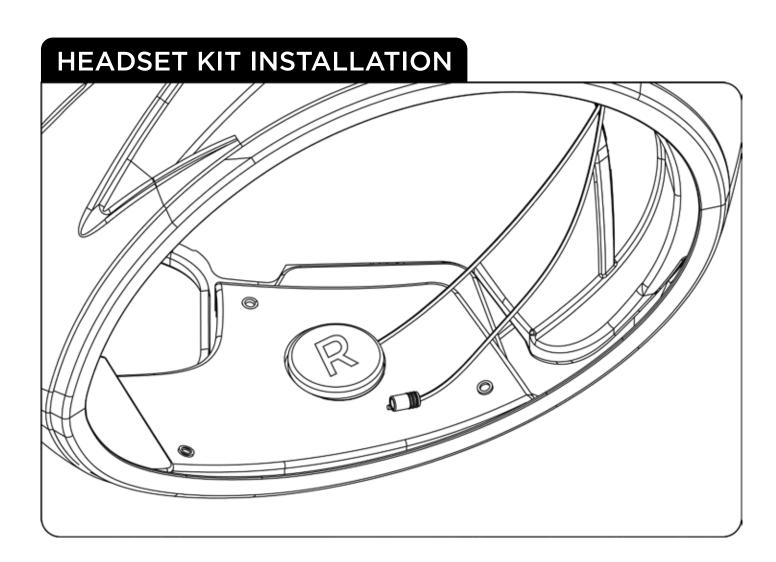


O1 **HEADSET KIT PLACEMENT**



Start by installing the harness with speakers. And before you install the headset, you need to remove the helmet inner padding to reveal the speaker slots.

NOTE - MOST HELMETS PROVIDE A SPEAKER SLOT. IF YOUR HELMET DOES NOT HAVE A SPEAKER SLOT, YOU WILL NEED TO PUSH THE EAR-PIECE INTO PLACE ON THE EPS (THERMOCOL) LAYER.



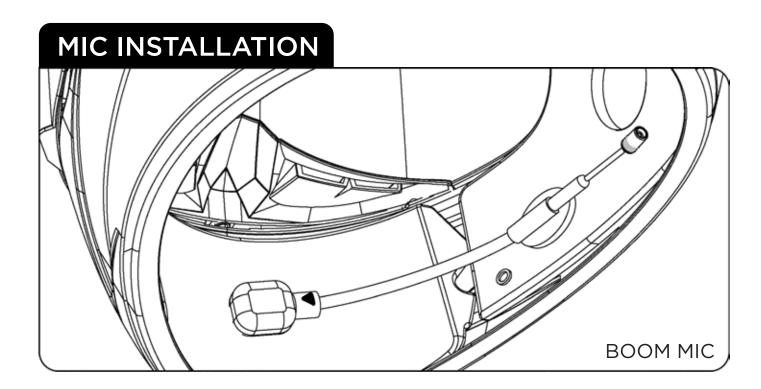
- Take the helmet speakers and the velcro stickers.
- Locate the slots provided inside the helmet.
- Remove the release liner from the speaker velcro and paste it in the speaker slot along with the speaker.
- Use additional spacers to center the speakers and position them close to your ears.
- Adjust the speaker position later when testing the audio output.

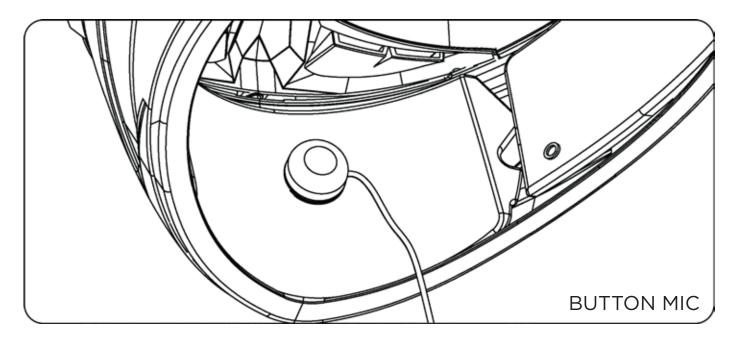


Now for the mic, you have two options,

The Button Mic and The Boom Mic.

If you have a full face helmet, we recommend The Button Mic, if you have a modular helmet or an open face helmet we recommend using The Boom Mic.





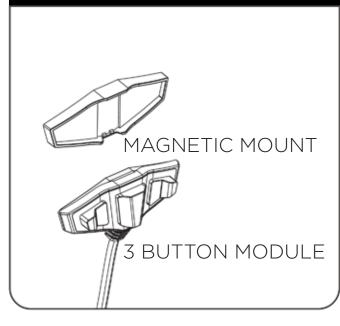
- Run the mic along the left inner surface of the chin bar, ensuring the arrow on the mic faces toward the mouth.
- · Adjust the mic so that it is close to your mouth.
- Use the flexible stem to position the mic for comfort.
- Make further adjustments as needed for optimal placement.

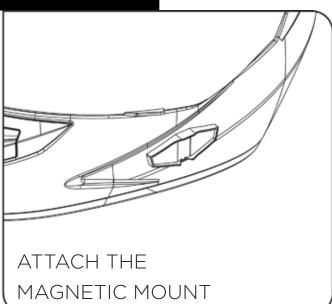


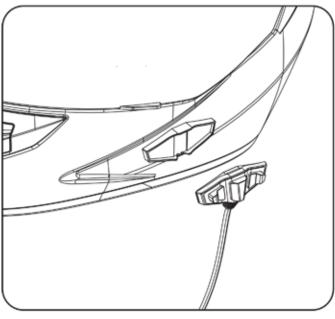
a - 3 BUTTON MODULE

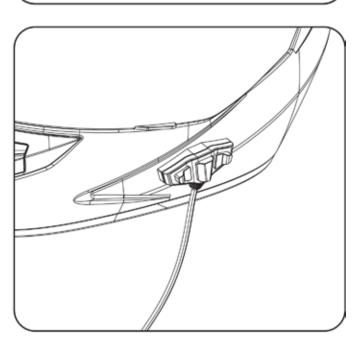
Now let's install the 3 Button Module

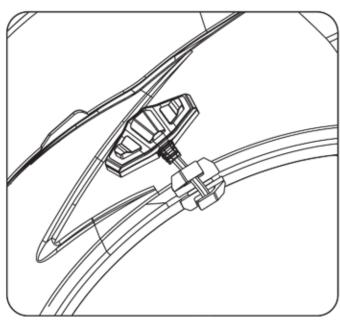
3 BUTTON MODULE INSTALLATION





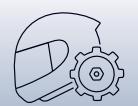






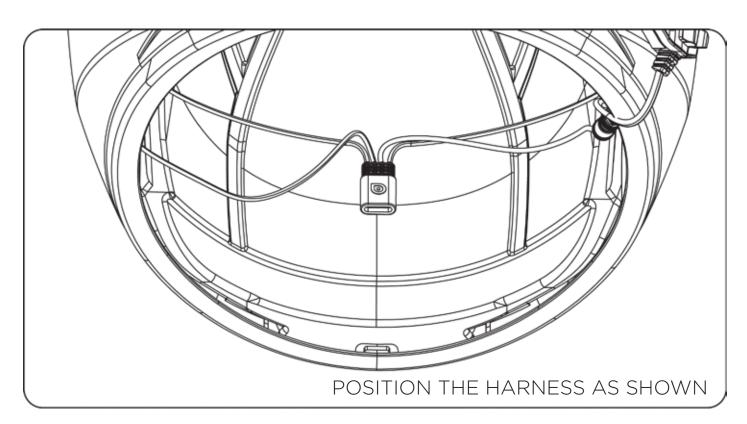
- Place the magnetic mount of the 3-button module on the left side of your helmet in a position that is easily reachable.
- Once the position is fixed, peel off the sticker from the mount.
- Stick the mount to the helmet at least 20 minutes before your ride.
- Attach the 3-button module to the mount
- · Run the cable through the groove of the helmet pad
- Finally attach the cable manager.

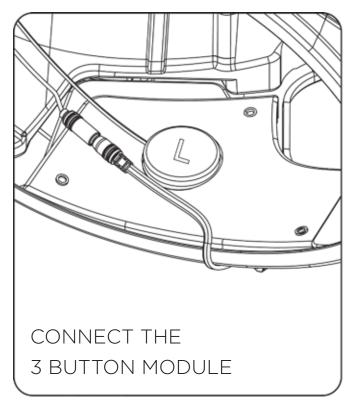


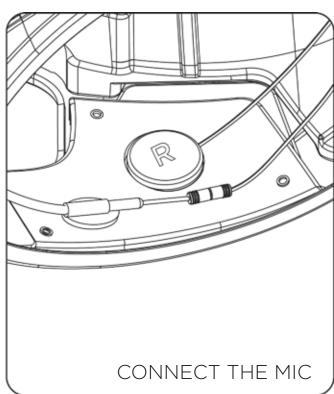


O2 CONNECTING THE COMPONENTS TO THE HARNESS

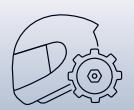
Now, connect the installed headset, mic, and 3-button module to the wire harness, matching connectors by color and form.











04 CLICKDOCK INSTALLATION



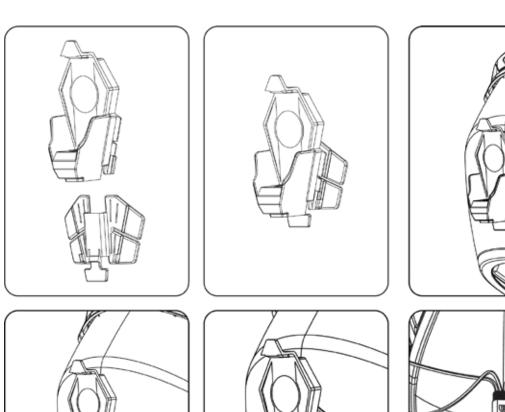
There are two ClickDocks provided with the C50 bundle. One meant for the **wing mount** and the other with **VHB pre-installed.**

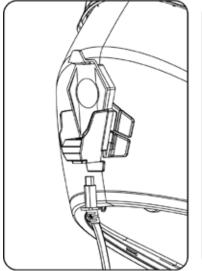
Follow the instructions below and choose the option best suited for your helmet.

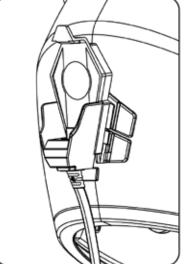
a - WING MOUNT

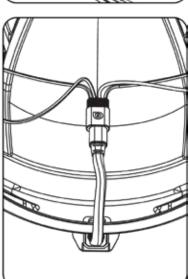
- · Assemble the wing mount to the compatible ClickDock.
- Position the assembly on the helmet.
- Ensure you can push the release tab at the bottom of the wing mount to remove the ClickDock.
- · Leave enough space under the tab for full movement.
- Clean the helmet surface where the wing mount will be installed.
- Remove the red release liner and stick the wing mount onto the helmet.

Slide the ClickDock onto the wing mount and click it in place as shown below and then connect the ClickDock cable to the unit and to the harness.





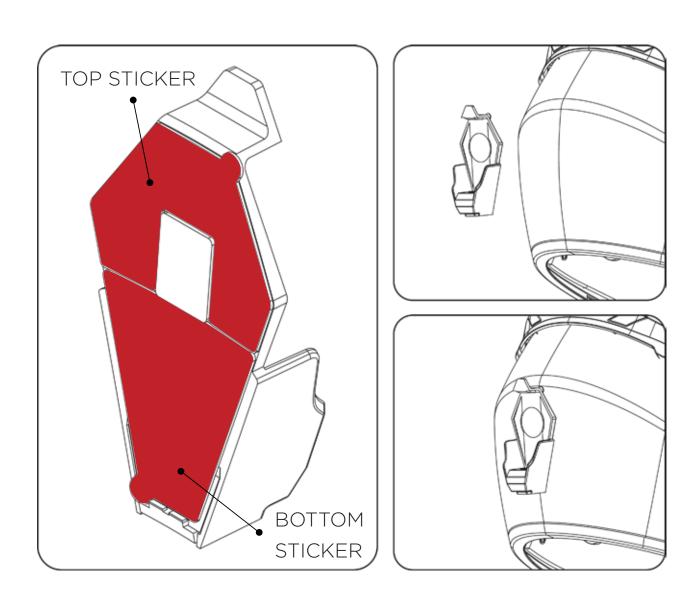






b - VHB MOUNT OPTION

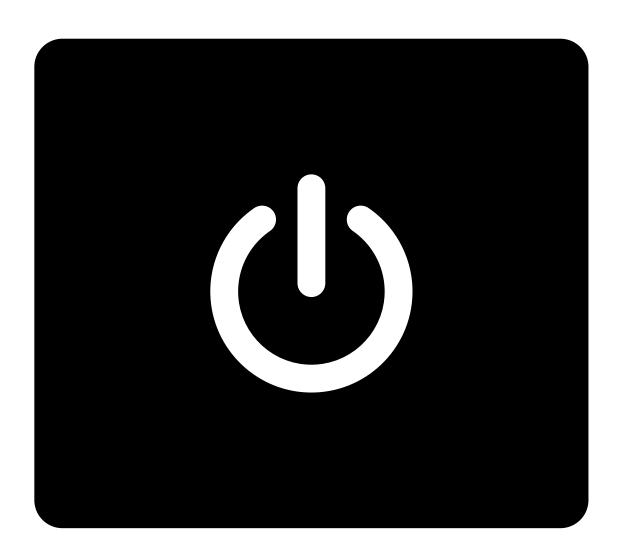
- The ClickDock comes with a top and bottom VHB sticker on the rear.
- · Remove the VHB release liner from the bottom first.
- Ensure the helmet surface matches the ClickDock curvature at the top.
- If aligned properly or needed, remove the top release liner of the VHB and stick the ClickDock.





Getting Started





- CHARGING THE MAIN UNIT
- **02 PAIRING C50 TO PHONE**
- CONNECTING THE APP
- BUTTONS AND FUNCTIONS
 - a 3 BUTTON MODULE
- PAIRING SECOND DEVICE
- OTA FIRMWARE UPDATE

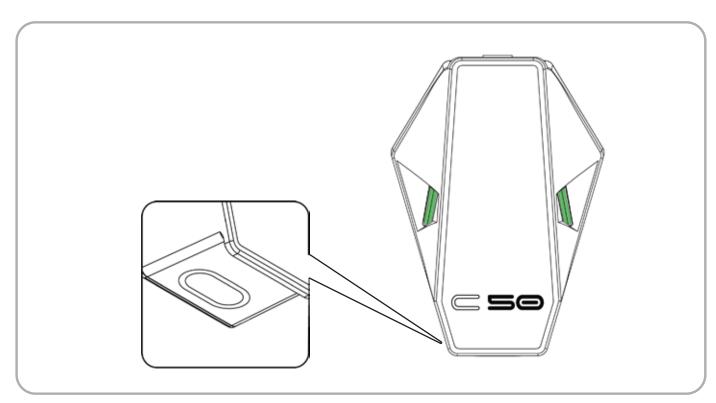


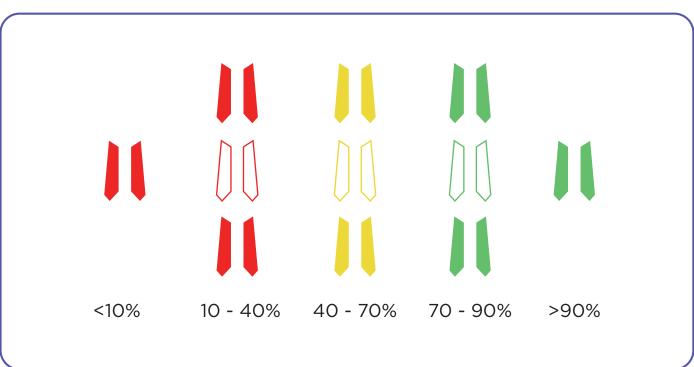
CHARGING THE MAIN UNIT



The **Main Unit** is equipped with a Type-C slot to charge it.

NOTE - DO NOT USE THE CLICKDOCK CABLE FOR CHARGING, AS IT IS NOT COMPATIBLE. IT IS DESIGNED TO BE USED SOLELY AS PART OF THE HEADSET KIT.





LED CHARGING INDICATIONS





PAIRING C50 TO PHONE

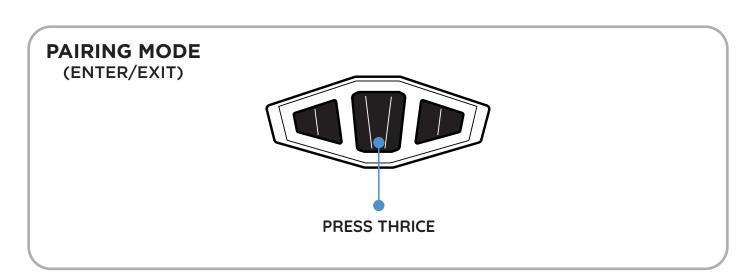


For the best experience, we recommend using the app.

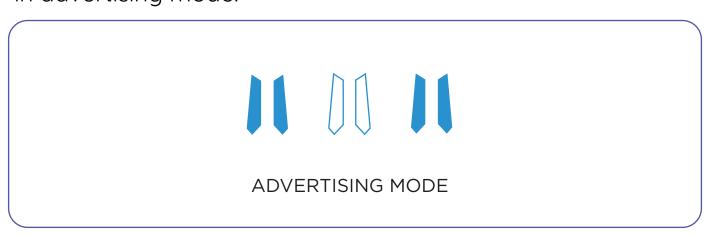
However, the **C50** can also **connect** to your phone via **Bluetooth Classic** for **basic functions** such as phone calls, music, and navigation.

When you turn on the device for the first time, the main unit will automatically enter Bluetooth pairing mode.

When you need to **pair the device again** to a mobile phone, **click the centre button** of the 3 button module **thrice**



The status LED will start blinking blue to indicate that it is now in advertising mode.



Complete pairing and allow contact access on your phone. You need to do this only the first time. Device will auto-connect to the last connected phone.



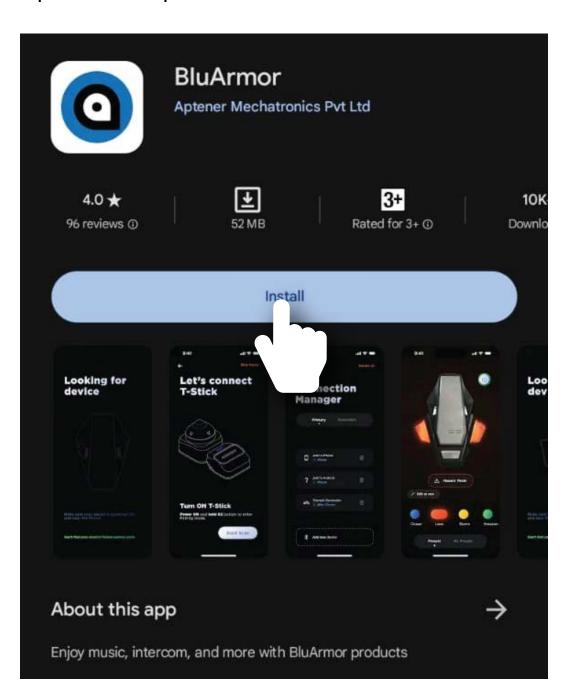


O3 CONNECTING THE APP

For the full range of features of the C50 to work, you will need to install the **BluArmor App** on your phone. The app is also useful to access the customer support links from the app if you need additional help or guidance.

Both Android and iOS devices are supported.

Install the app and follow the steps inside the app to complete the process.









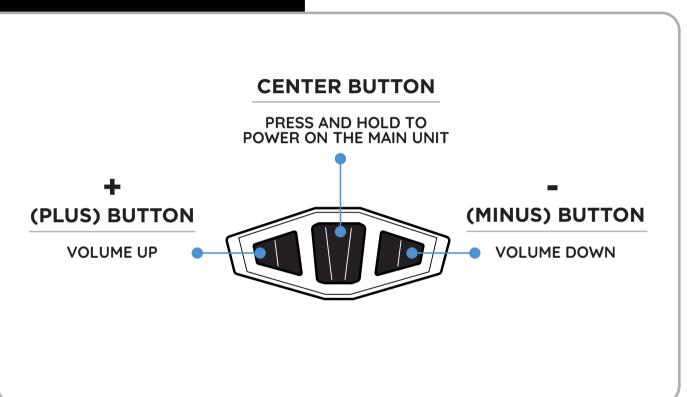




04 **BUTTONS AND FUNCTIONS**



3 BUTTON MODULE







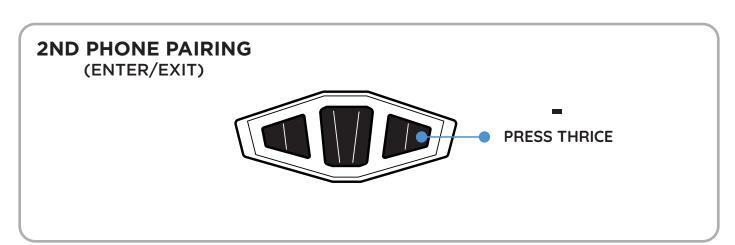
05 PAIRING SECOND DEVICE



Once you are connected to your first phone, you have the option to connect a second device too. And you can do so in the given ways below.

a - VIA 3 BUTTON MODULE

Triple press the **'-' (minus)** button on the 3 button module to pair a second device to the C50.



b - USING THE APP

- Open Settings: Go to the settings in the app.
- Navigate to Connection Manager: Access the connection manager dashboard.
- Select Secondary Tab: Press on the Secondary tab.
- Add Device: Click on "Add a device".
- Pair: You're now ready to pair a second device to the C50.

Refer under **PORTWEAVE™** section in this user manual on how **add a second device**



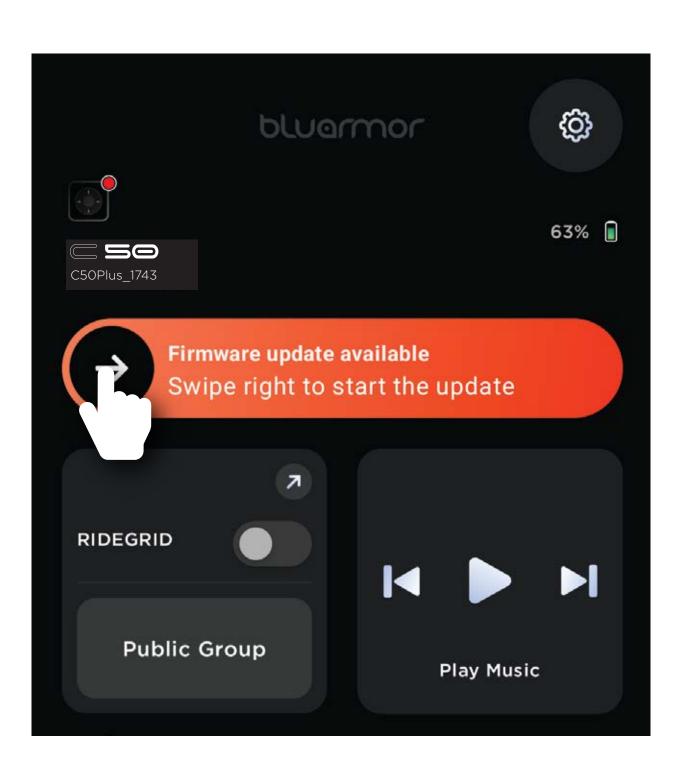
O7 OTA FIRMWARE UPDATE



C50 is continuously updated with newer and better features. These improvements are easily updated **Over-The-Air (OTA)** via the app itself and you don't need any cables or additional docks or devices.

Check the app to see if you need an update.

You will see an alert on the main dashboard if your device requires one.



Swipe the slider and follow the steps, **ensure your device is at least 50% charged** before you start the update and **don't turn off the device during the process**.

The app will indicate the progress status.



Phone Usage

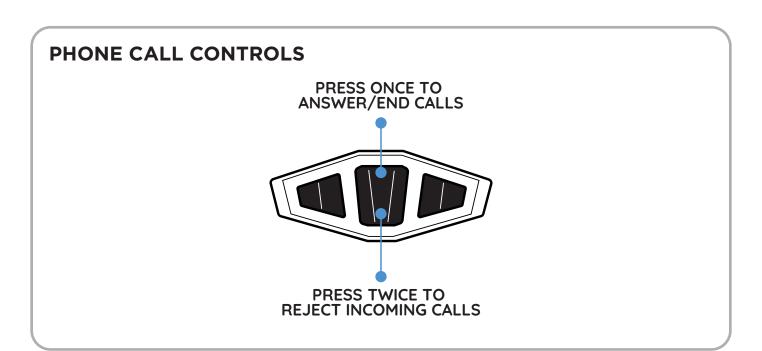




- 01 PHONE CALLS
- **02 CALL VOLUME CONTROLS**
- **03 -** AUTO ANSWER AND SETTINGS
- 04 SPEED DIAL
 - a VIA 3 BUTTON MODULE
- **05** MUSIC AND AUDIO
- **06** MUSIC VOLUME CONTROLS
- **07 NAVIGATION**



RESPONDING TO INCOMING CALLS



Making phone calls (setup assistant on your phone) While riding, please use the voice assistant on your phone to initiate phone calls.

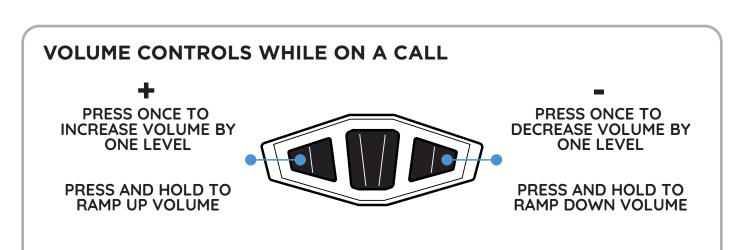
INVOKING THE VOICE ASSISTANT



To make phone calls while riding, please use the voice assistant (setup assistant on your phone) on your phone to initiate phone calls.

NOTE - YOU CANNOT INVOKE THE VOICE ASSISTANT WHILE ON AN ACTIVE CALL

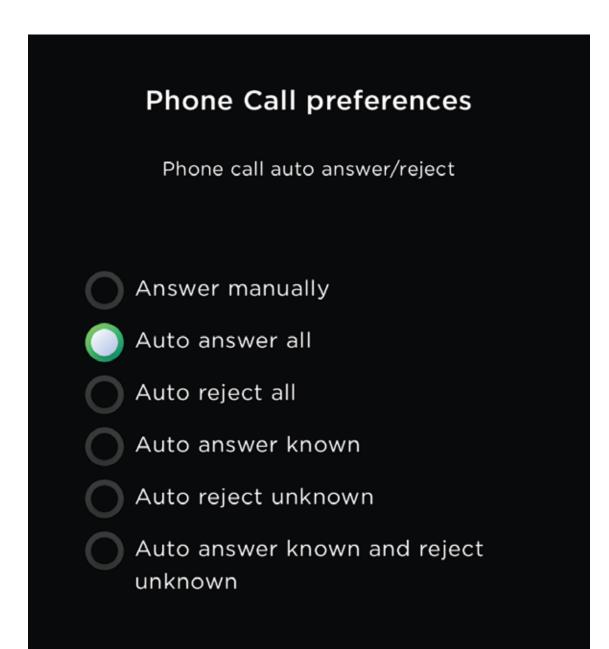




O3 AUTO ANSWER AND SETTINGS

You can **configure** your **phone-call preferences through** the **app.**

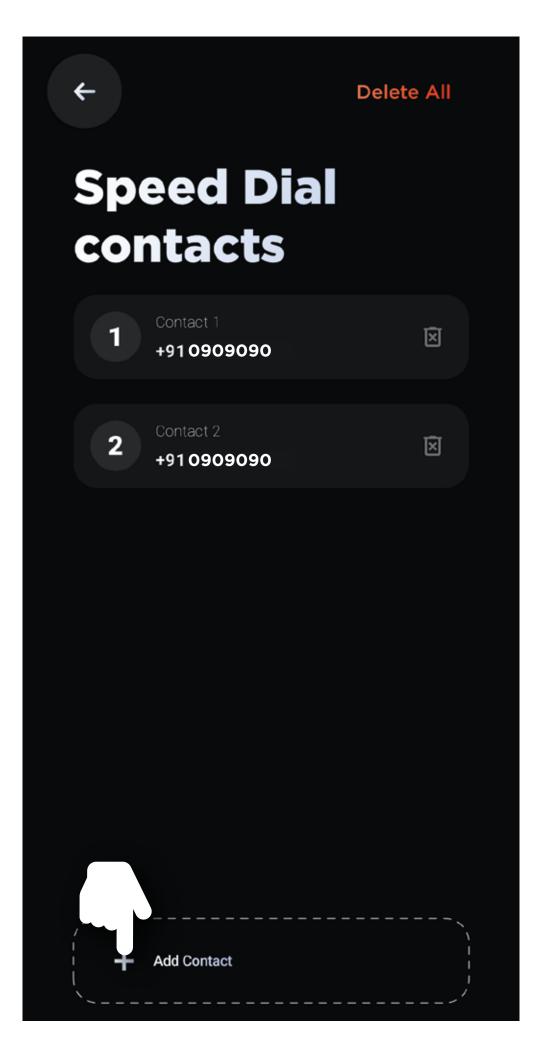
An array of auto-accept/auto-reject options are available - these can be set as desired.





For Speed dial to work you have to add the desired contacts through the app settings.

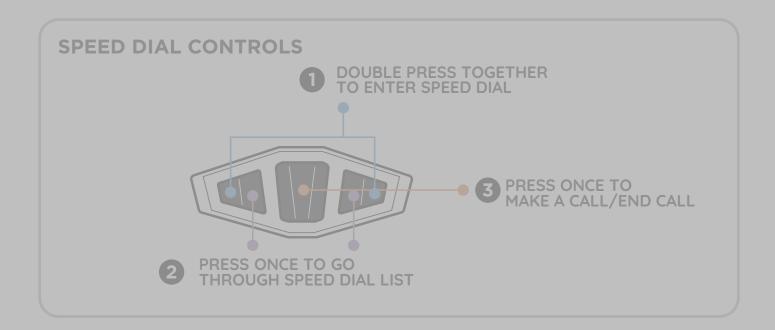
Speed dial can be **initiated** using the **3 button module.**





ACCESSING SPEED DIAL

a - VIA 3 BUTTON MODULE



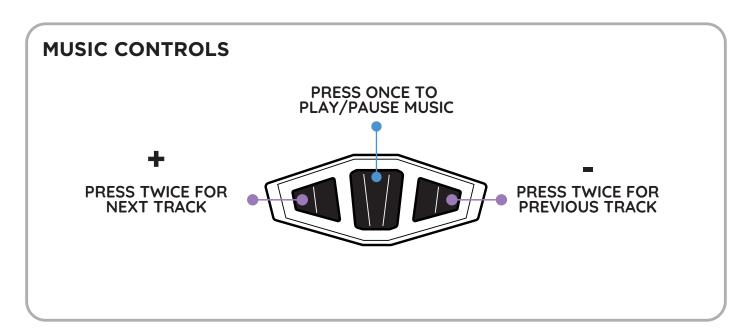
AVAILABLE AFTER NEXT FIRMWARE UPDATE



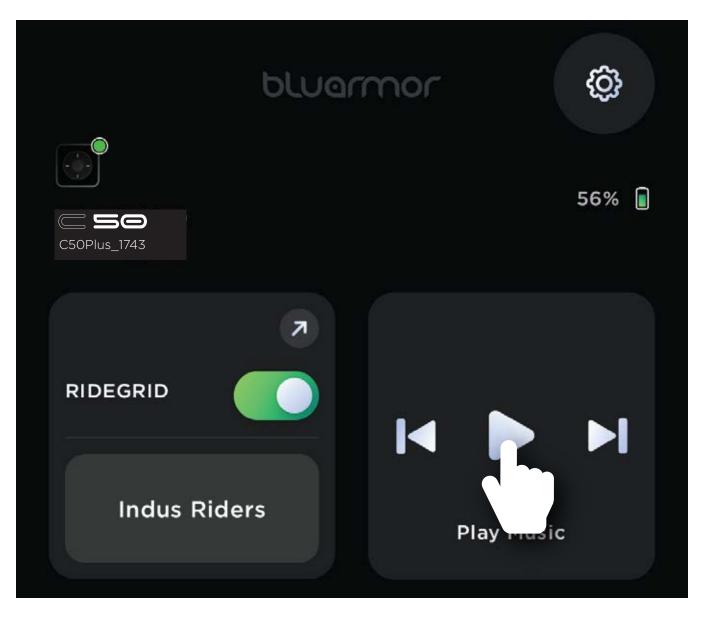
Choose a music/audiobook/podcast app of your choice and launch it on your phone.

You can **control** any of your **favourite music** or **audio apps** using the **3 button module** or from **the app.**

a - VIA 3 BUTTON MODULE



b - USING THE APP



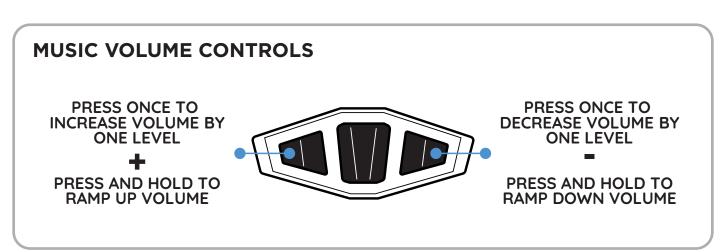
The home page features a tile for your music playback controls



There are **15 possible volume levels** between the **minimum** and **maximum**.

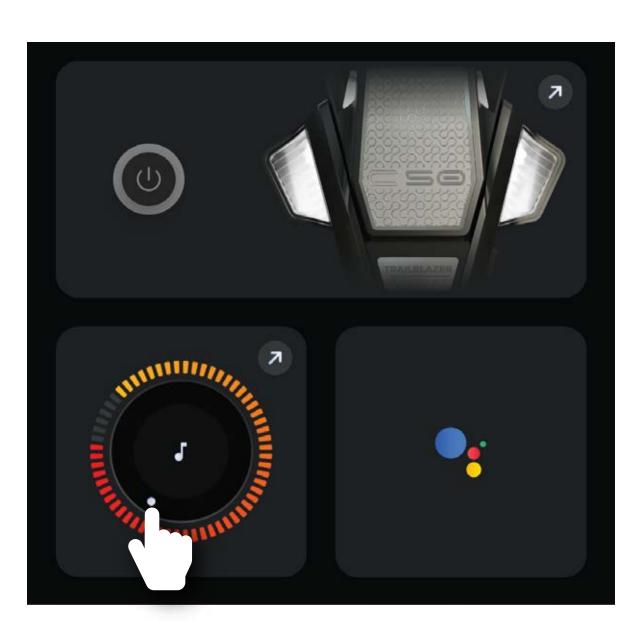
You can **control** the volume of the music using the **3 button module** or **the app.**

a - VIA 3 BUTTON MODULE



b - USING THE APP

Use the **volume dial** in the **app** to **increase** or **decrease** the volume.





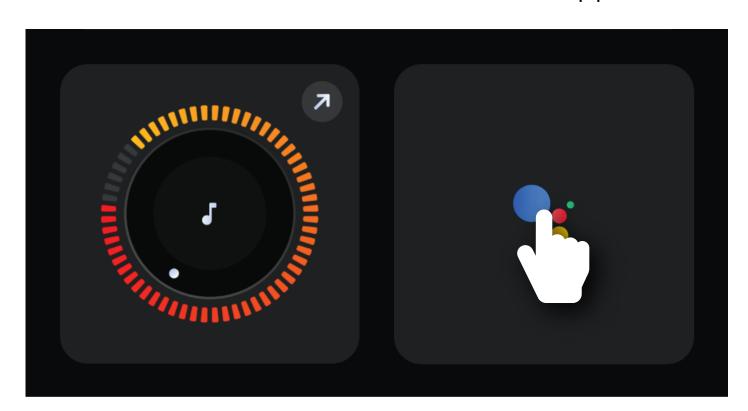
NAVIGATION INSTRUCTIONS OVER VOICE

Navigation instructions from your mapping/navigation app will be announced over the headset

USE VOICE ASSISTANT FOR THESE CONTROLS

Refer under **PHONE CALL** section in this user manual on how to invoke the **Voice Assistant.**

Or use the voice assistant button in the app



INVOKING THE VOICE ASSISTANT





RIDEGRID 2.0™





- **01** WHAT IS RIDEGRID 2.0™
- **02 OVERVIEW**
- **03** CONNECTING THE RIDEGRID
 - a VIA 3 BUTTON MODULE
- **04** GROUPS AND GROUP CREATION
 - a PUBLIC GROUPS
 - b PRIVATE GROUPS
- **05** UNIVERSAL INTERCOM
 - a VIA 3 BUTTON MODULE
 - b USING THE APP
- **06** MERGING ACTIVE PHONE CALLS
- **07** eRIDEGRID





01 **WHAT IS RIDEGRID 2.0**™



RIDEGRID 2.0™ is an intercom mesh technology that uses its advanced algorithm to connect multiple C50 devices (up-to 20 for optimal performance) together to form a flexible intercom network that allows riders to freely go out and come back into the large group call.

This self healing and clustering quality of RIDEGRID 2.0™ makes it extremely user-friendly and easy to use in the real world situations that you ride in.

RIDEGRID 2.0™ range between 2 riders is 1.2 Km.

(2 Users maintaining **Line Of Sight (LOS)** on an open highway)





02 **OVERVIEW**

Out of the box, the devices are set to RIDEGRID 2.0™ public mode, which allows your co-riders to join automatically.

It is also possible to create private groups using the app.

Use the app to create private groups and add members by using the invite QR code at the end of the process.

Any member of the riding group can invite new members in.

A member can freely choose to leave the group.

Clustering

While on a RIDEGRID 2.0™ call, users who are within range of each other but collectively out of range from other riders in the same group will be able to talk to each other.

Self-healing`

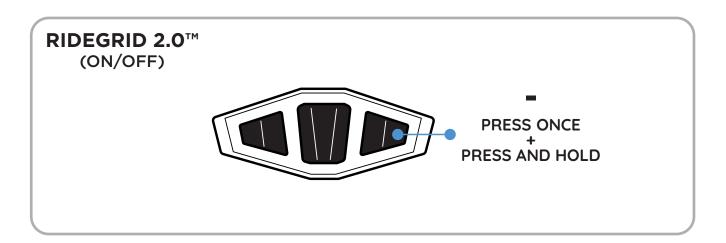
Riders automatically rejoin the call as they come back into range.



O3 CONNECTING THE RIDEGRID



a - VIA 3 BUTTON MODULE



Repeat the same steps on your co-rider's device.

The LEDs on the devices will flash green and then switch to green breathing once the connection is established. Once activated, RIDEGRID is ready for use.

NOTE - C50 UNITS DO NOT NEED TO BE CONNECTED TO THE PHONE FOR RIDEGRID TO WORK





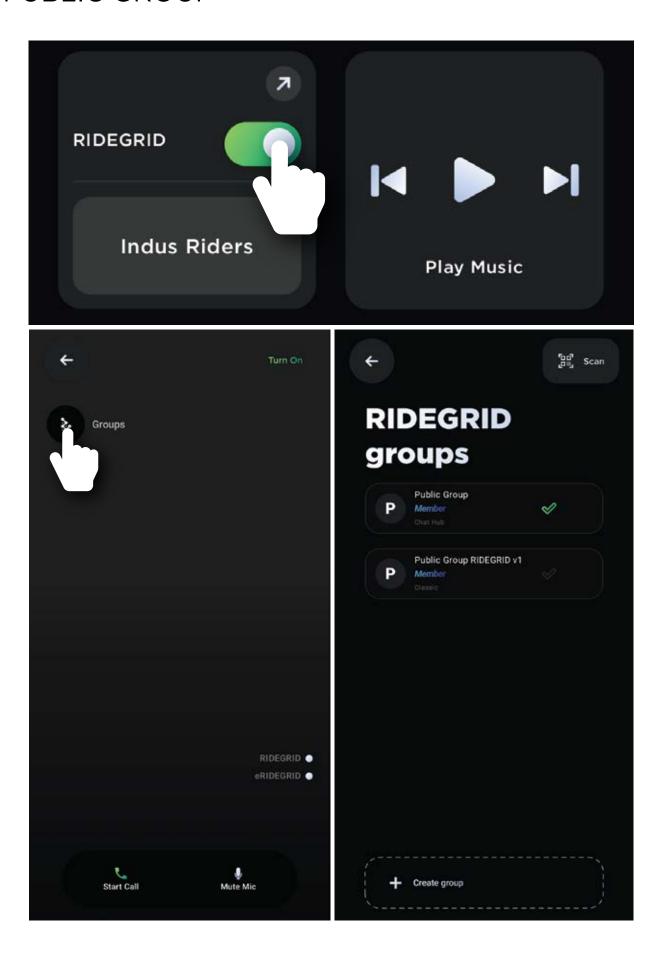
O4 GROUP & GROUP CREATION

There are two categories of groups in the RIDEGRID 2.0™ menu.

PUBLIC GROUP & PRIVATE GROUP

a - PUBLIC GROUPS

Make sure the RIDEGRID is on first.
Then expand the Group and click on Group icon.
By default you will be connected to the 'PUBLIC GROUP'

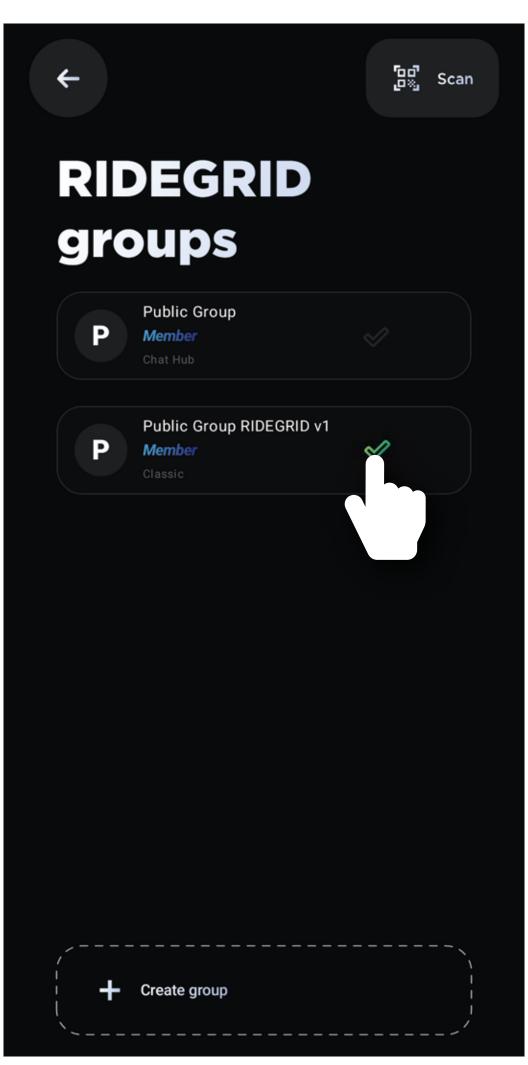






How to connect C30 devices that use RIDEGRID V1 (Classic) with C50 devices?

- Open the BluArmor app and navigate to the group creation settings.
- Tap on the 'Public Group RIDEGRID V1' and add members to the group.

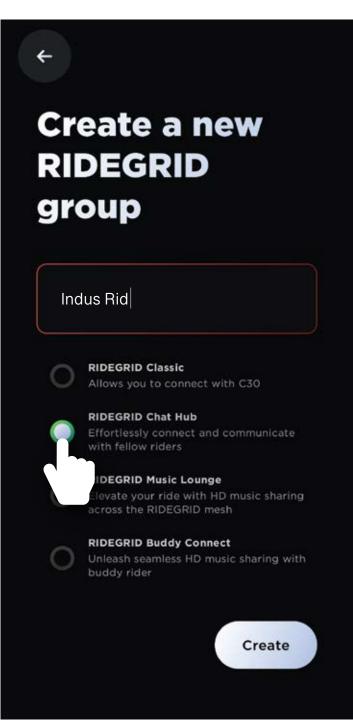


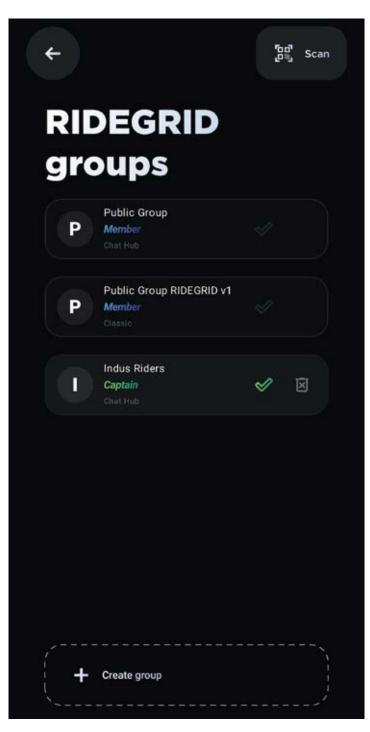


b - PRIVATE GROUPS

NOTE - USE THE APP TO CREATE AND MANAGE RIDEGRID 2.0™ PRIVATE GROUPS

- Open the BluArmor app and expand the RIDEGRID
 2.0™ tab
- Click on the Groups button.
- Click on Create group tab at the bottom of the screen
- Name your group and select the type of group you want out of the four group





- RIDEGRID Classic
 Lets you connect with C30 devices
- RIDEGRID Chat Hub
 Communicate with your co-riders
- RIDEGRID Music Lounge
 SD music sharing across the RIDEGRID Mesh
- RIDEGRID Buddy Connect

 HD music sharing only with your buddy rider.

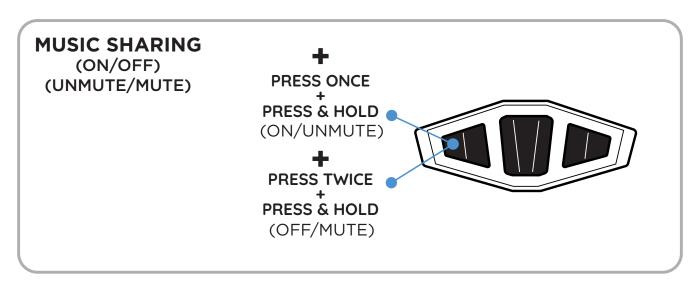






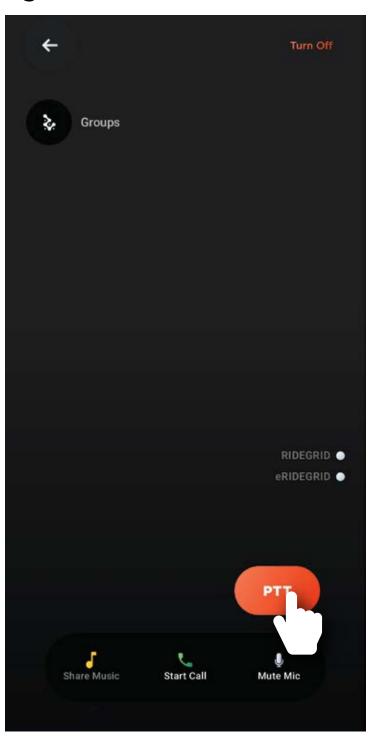
Now, let's see how to **share music** in **Music Lounge** and **Buddy Connect groups.**

a - VIA 3 BUTTON MODULE



c - USING THE APP

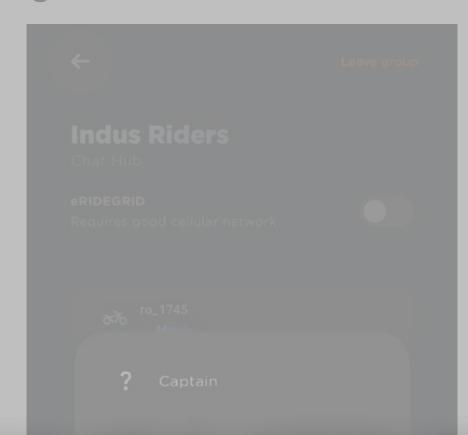
Use the button on the app, shown below to control music sharing and PTT





CAPTAIN - SWEEPER HOTLINE

ASSIGN THE SWEEPERS - From the list of connected riders, select the designated sweepers and change the role from Member to Sweeper.



AVAILABLE AFTER NEXT FIRMWARE UPDATE

USING THE HOTLINE FEATURE - On the **RIDEGRID screen**, a dedicated **Hotline button** is prominently displayed. This feature enables you to communicate to all Sweepers privately.

PRESS AND HOLD - Tap and hold the Hotline button to begin Private hotline with all the connected Sweepers, release the Hotline button to terminate the hotline.



BROADCASTING MESSAGE TO ENTIRE GROUP

ACCESSING THE BROADCAST FUNCTION -

On the RIDEGRID screen, a dedicated Broadcast button is prominently displayed. This feature enables you to broadcast message to to all connected riders.

PRESS AND HOLD - Tap and hold the Broadcast button to begin convey your message and release the button once announcement is done.

AVAILABLE AFTER NEXT FIRMWARE UPDATE





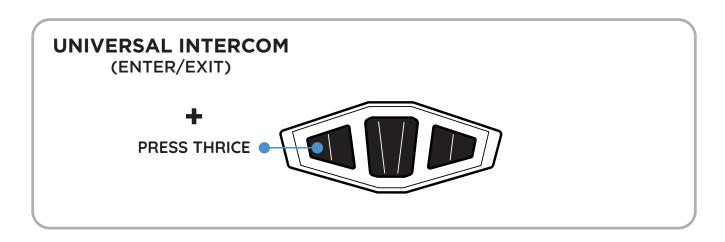
05 UNIVERSAL INTERCOM

NOTE - UNIVERSAL INTERCOM IS A PART OF **PORTWEAVE™** WHICH WILL BE MENTIONED LATER IN THIS USER MANUAL

Universal Intercom is the ability to connect with non C50 devices that are generic bluetooth headsets.

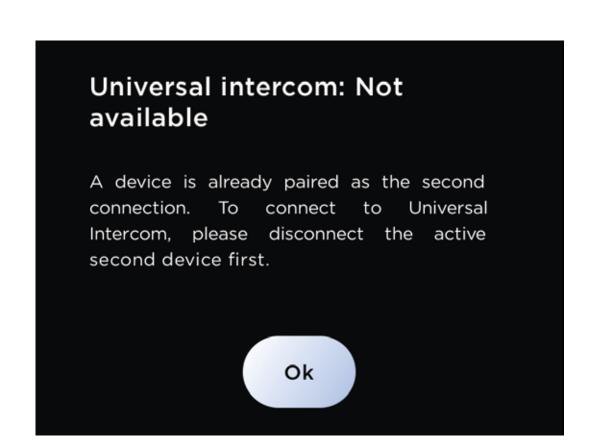
You can activate Universal Intercom using the 3 Button Module and the App.

a - VIA 3 BUTTON MODULE



NOTE - ENSURE THAT THE ACTION IS PERFORMED WHEN NO OTHER SECONDARY DEVICE IS CONNECTED.

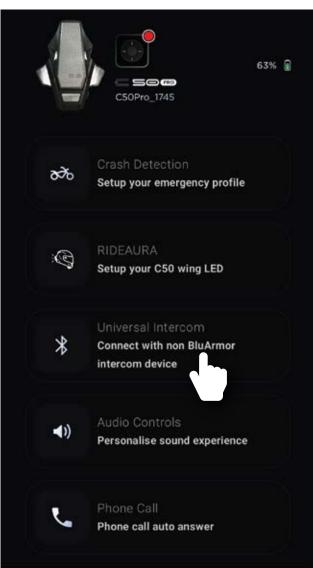
ADDITIONALLY, NOTE THAT IF THE UNIVERSAL INTERCOM IS USED, NO OTHER SECONDARY DEVICE CAN BE CONNECTED, AS THE UNIVERSAL INTERCOM FUNCTIONS AS A SECONDARY DEVICE.



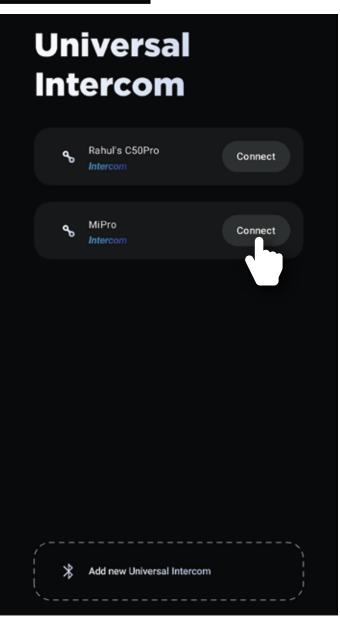


b - USING THE APP

- Click on settings icon
- Click on Universal Intercom tab
- Now you can add a non C50 device







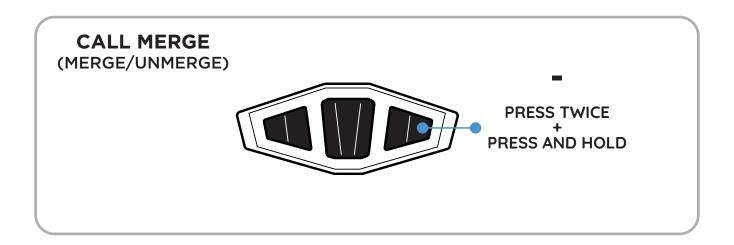


06 MERGING ACTIVE PHONE CALLS

MERGING ACTIVE PHONE CALLS WITH ONGOING RIDEGRID 2.0™ CALL

While on a RIDEGRID 2.0[™] call, if you receive an incoming phone call and answer it, you break off from the RIDEGRID 2.0[™] call.

You can keep the phone call private and you will be automatically placed back in the RIDEGRID 2.0™ call once you terminate the phone call.







07 **eRIDEGRID**

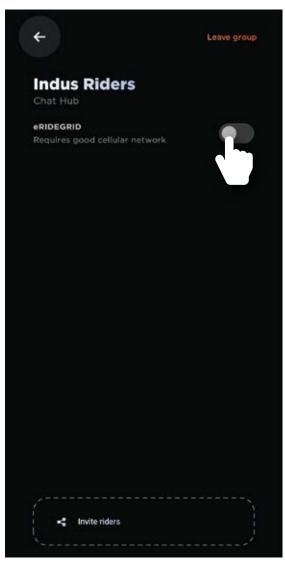


eRIDEGRID is a cloud-based extension of the RIDEGRID 2.0™ system, designed to offer a seamless ride-sharing experience without geographical limitations.

By leveraging cloud technology, eRIDEGRID enables you and your co-riders to stay connected regardless of range. eRIDEGRID allows for unlimited-distance connectivity as long as you are in network range with a data connection.

ACTIVATING eRIDEGRID

- Create a private group in the BluArmor app.
- Before finalizing the group, ensure eRIDEGRID is enabled.
- Add members to your group.





Now, you're all set to use eRIDEGRID.



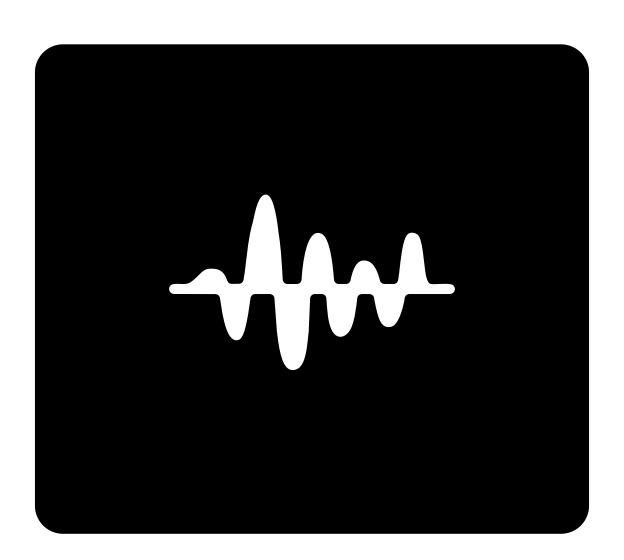
If you and your co-riders are using RIDEGRID 2.0™ with eRIDEGRID mode enabled, you will seamlessly transition to eRIDEGRID mode when moving beyond the RIDEGRID coverage area.

NOTE - FOR eRIDEGRID TO FUNCTION SEAMLESSLY, YOUR MOBILE NETWORK MUST REMAIN ON AT ALL TIMES

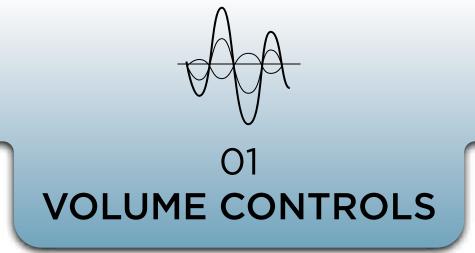


Audio/Voice Experience





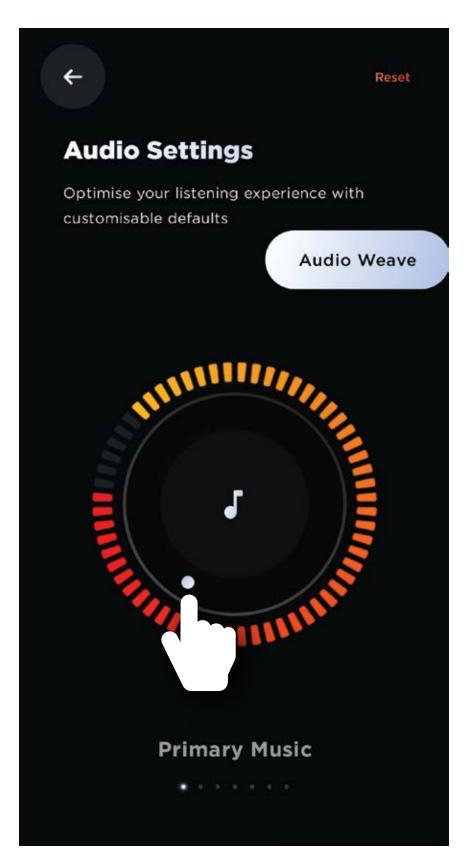
- VOLUME CONTROLS
- EQ CONTROLS FOR MUSIC
- ACTIVE NOISE CONTROL
- AUDIOWEAVE™



Volume control is possible either through the device or the app. The '+' and '-' buttons can be pressed once to increase or decrease the volume while listening to music or attending calls.

Refer under **MUSIC VOLUME CONTROLS** section in this user manual to see how music control works using the 3 Button Module and the TStick

On the app, there is a dedicated volume dial that allows you to set the desired volume.

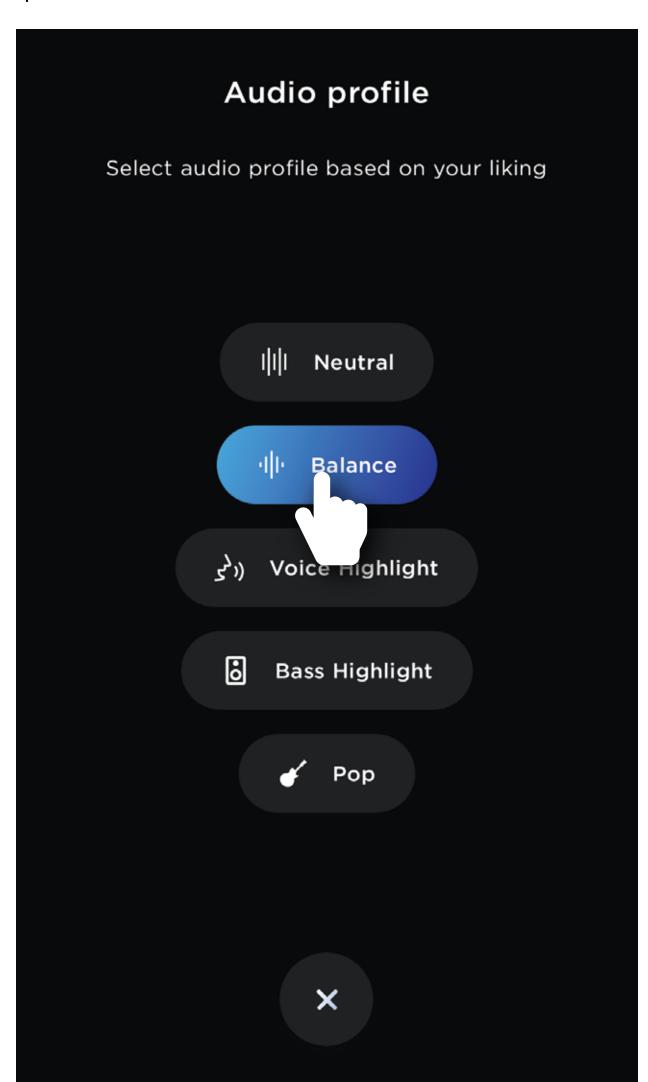


Swiping left on the dotted lines below to select and control different audio outputs (Primary voice, Music, RIDEGRID and more)





In the menu you can access the audio presets that allow you to control Volume Boost and Equaliser Preferences.





Quality of voice conversations is improved through active noise control.

The algorithm suppresses wind noise in the microphone path allowing other riders to hear you clearly.

This filter is active throughout, you don't have to change any settings.

03 **AUDIOWEAVE**™



Through AUDIOWEAVE™ technology, you can

- Continue listening to music while on a RIDEGRID 2.0™ intercom call
- 2. Use the voice assistant while on a RIDEGRID 2.0™ intercom call
- **3.** Mix/merge audio from a RIDEGRID 2.0™ call with audio from a universal intercom call

When the user invokes the assistant, the microphone will automatically be muted for RIDEGRID 2.0™



Audio Weave controls

will determine how the user regulates the volume between music and group intercom. If the audio-overlay flag is OFF, then the music volume is not dependent on the activity on the RIDEGRID 2.0™ group intercom. The music will stream at a volume determined by both the phone volume and the device volume while the RIDEGRID 2.0™ intercom will operate at the device volume. If the audio-overlay flag is ON, then the music volume is dependent on the activity on the RIDEGRID 2.0™ group intercom. When there is no activity, the music will stream at a volume determined by both the phone volume and the

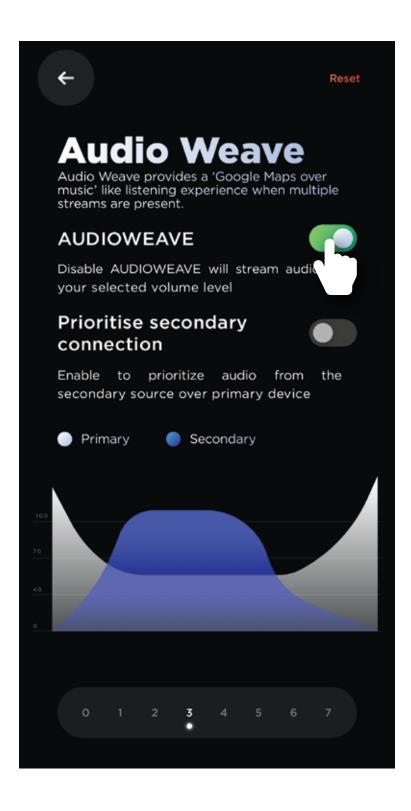
device volume. When there is activity on the

RIDEGRID 2.0™ group intercom, the music will play

at 20% of the volume setting to allow the user to

clearly hear the RIDEGRID 2.0™ conversations.

An audio-overlay flag that is setup on the app





PORTWEAVE™ 💸



PORTWEAVETM



PORTWEAVETM

MULTI POINT CONNECTIVITY

The multipoint connectivity feature allows users to connect one primary device and one secondary device simultaneously, such as a secondary phone, action camera, motorcycle instrument cluster, GPS navigation device, or radar detector.

NOTE - THE ABOVE-MENTIONED DEVICES MUST SUPPORT PAIRING WITH A GENERIC BLUETOOTH AUDIO DEVICE OR HEADSET.

As mentioned before, in PORTWEAVE™, You can add two connections.

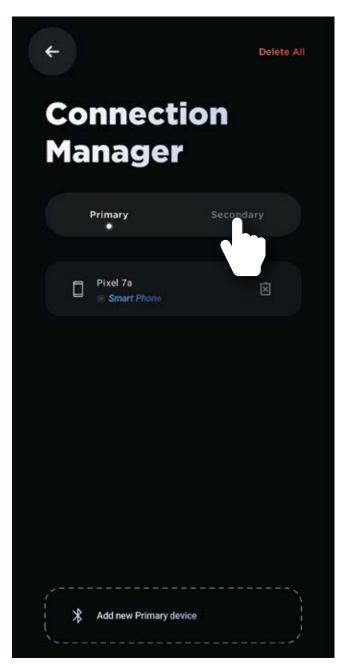
A Primary Connection & A Secondary Connection

In the **Primary Connection** you can add **a phone** or an **instrument cluster of a motorcycle**

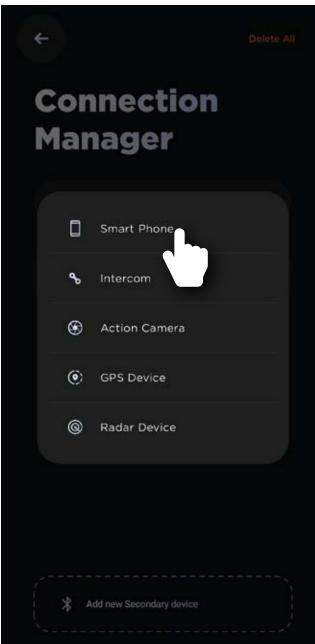
For the **Secondary Connection**, you can use **any one** of the following, **an action cam, a radar detector, a GPS navigation device or a phone for navigation** or **music.**

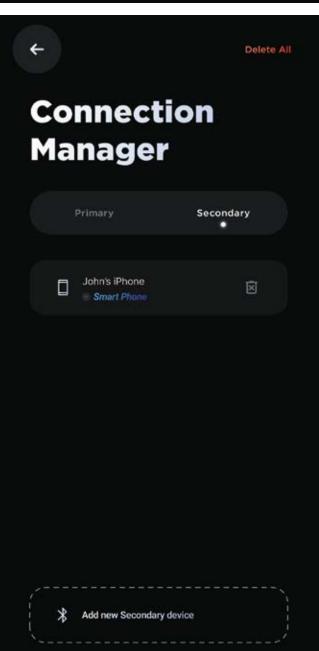
Follow the steps below to know how to add a primary connection and a secondary connection













Crash Detection





- OVERVIEW

- HOW TO SET UP?





01 **OVERVIEW**

When your helmet experiences an impact during a crash, the main unit detects the force of the collision. It automatically dials your designated emergency contact, so you can inform them with relevant details about the crash, such as its location and the severity. This system ensures that help can be notified quickly.

O2 **HOW TO SET UP?**



- Open the BluArmor app.
- · Go to Settings.
- Select the Crash Detection tab.
- · Add an emergency contact.
- Enable the 'Dial call on crash' option.

You can **customize** the **impact level** that **triggers an alert** to your **emergency contact.**

Choose from **Mild, Medium,** or **Severe** based on your **preference.**





Set the emergency contact

+910909090

Select Contact

Dial call on crash



Crash Detection Sensitivity

Choose crash detection sensitivity levels to match your activity or environment

Mild



Severe

Update

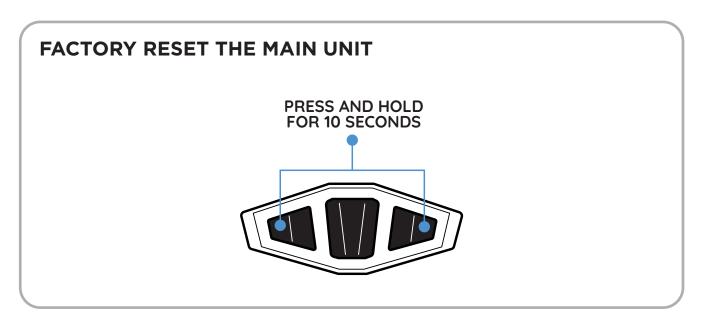


Settings & FAQ's

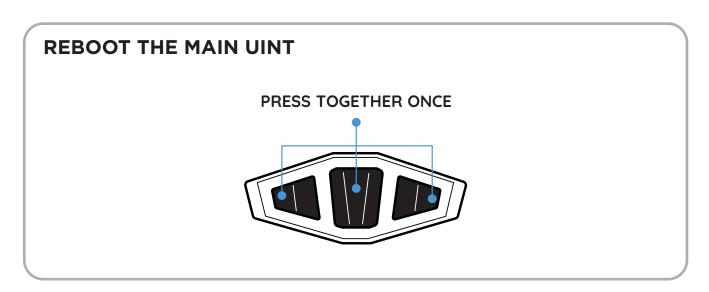




FACTORY RESET



REBOOT







RIDE. CONNECT. BOND