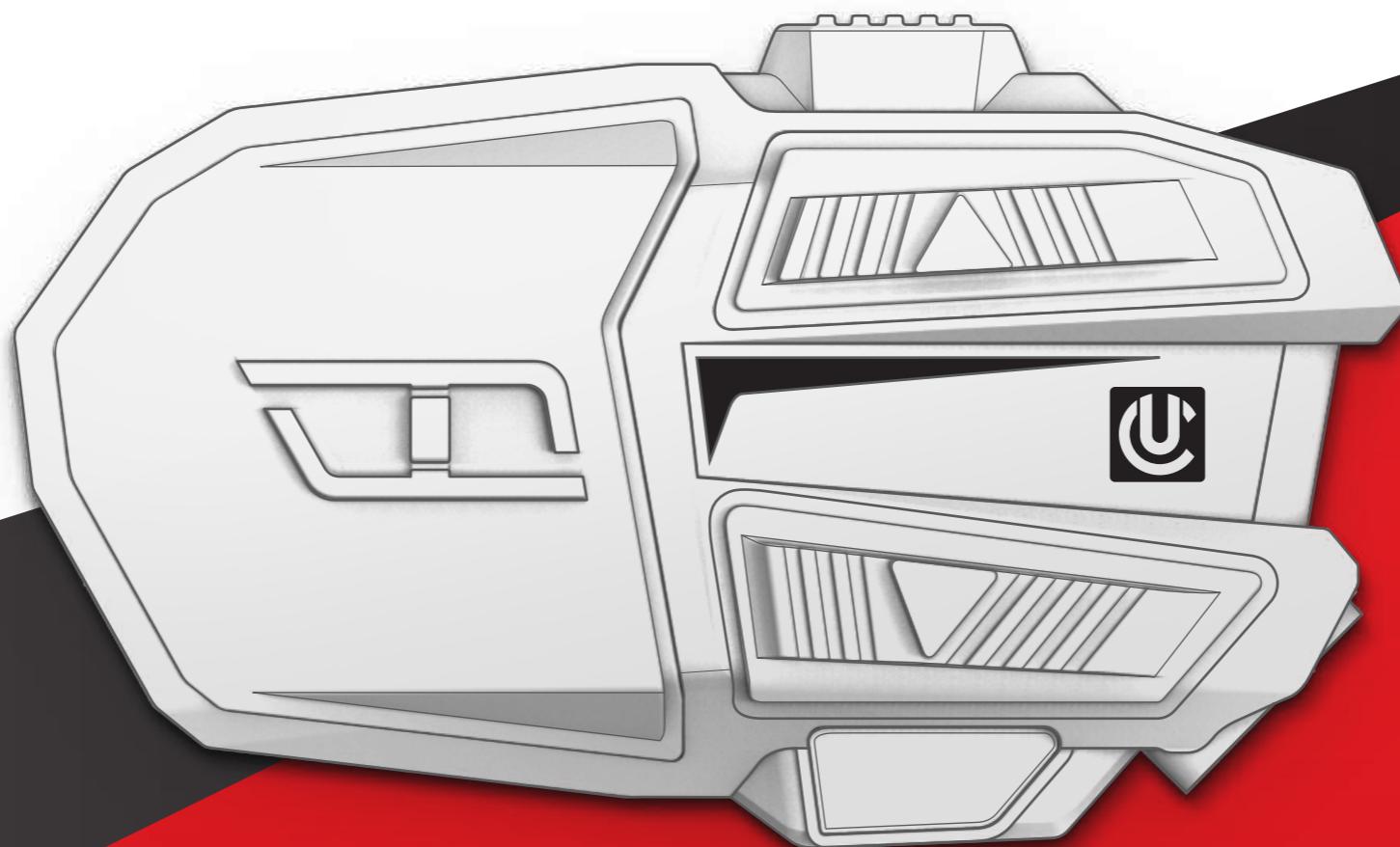




V1.3

***MOTICON***

SERIES



**USER MANUAL**

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# PACKAGE CONTENTS

**U** UCLEAR  
DIGITAL  
**MOTION**  
SERIES



**U** 1. UCLEAR™ Motion Series Controller



**U** 2. #111037

Pulse Pro 2.0 Premium Speaker/Mic Kit (USB-C).  
(Mounting Kit Included)

# PACKAGE CONTENTS

UCLEAR  
DIGITAL  
**MOTION**  
SERIES



**3. #111040**

Permanent Mount for MOTION Series Only



**4. #111041**

USB-C Charge / Data Cable for  
MOTION Series Only



**5. #111039**

Universal Helmet Speaker Mounting Kit



**6. #11002**

Temporary / Removeable Mount for  
HBC, AMP & MOTION Series



**7. #11001**

Classic Permanent Mount for  
HBC, AMP & MOTION Series, 2-PK



**8. #111042**

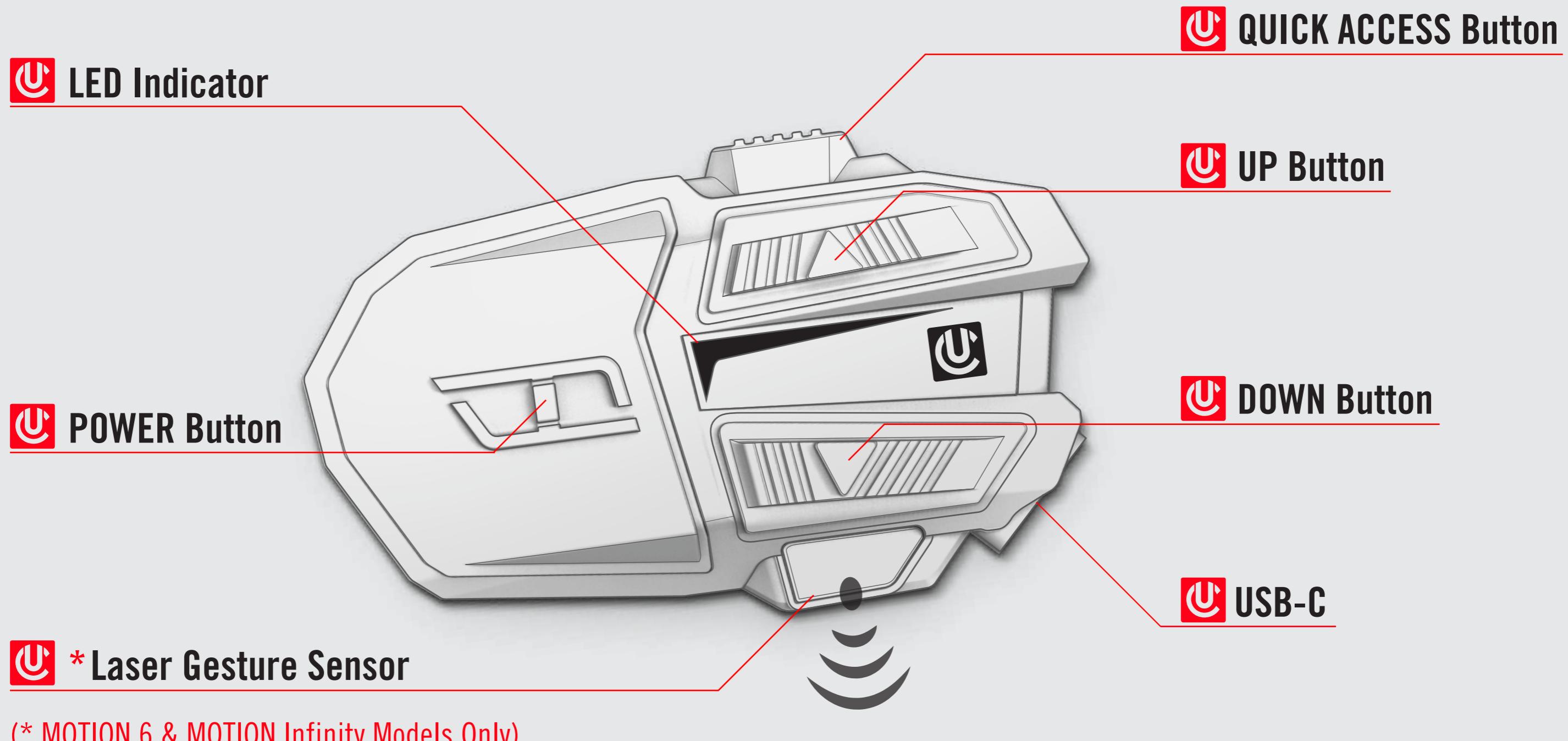
Universal Dual Port AC / USB  
Charge Adapter (2.1A & 1A ports)



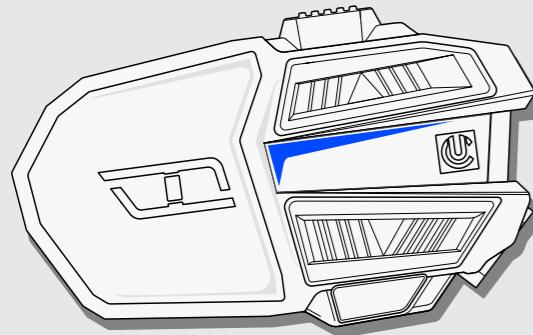
**9. #11005**

UCLEAR DC Car Charger Adapter

## INTERFACE OVERVIEW

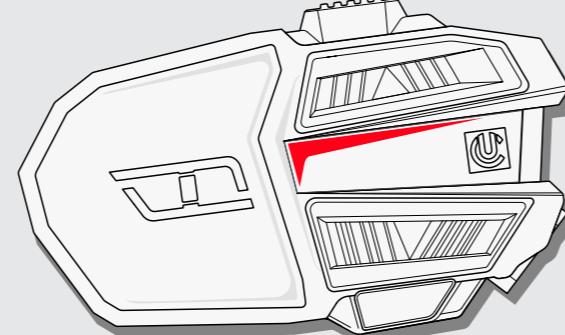


## LED INDICATOR



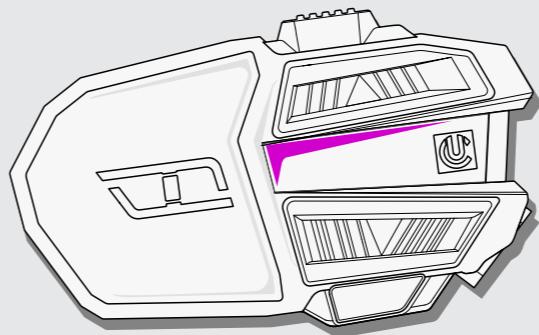
### BLUE

- ⌚ Blinking - Power on state  
- Call in progress
- ⌚ Solid - Battery fully charged



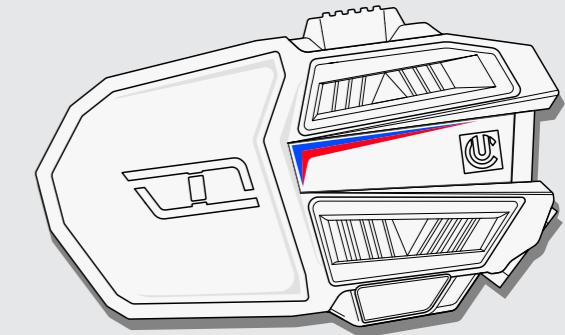
### RED

- ⌚ Blinking - Powering off  
- Battery low
- ⌚ Solid - Battery charging



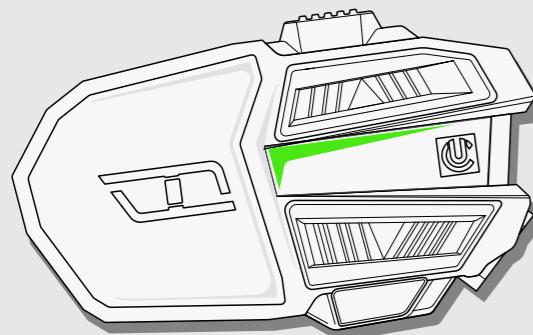
### PURPLE

- ⌚ Blinking - Intercom pairing mode
- ⌚ Solid - Battery faulty



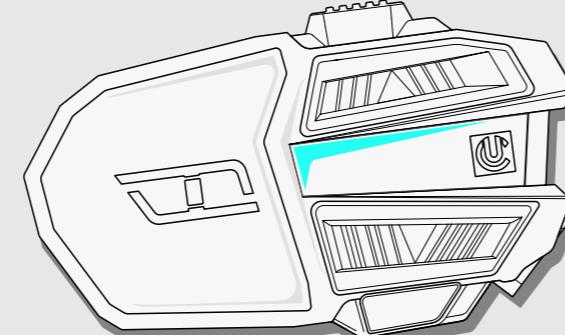
### BLUE / RED

- ⌚ Alternate - Bluetooth pairing  
Blinking mode
- ⌚ - Incoming call



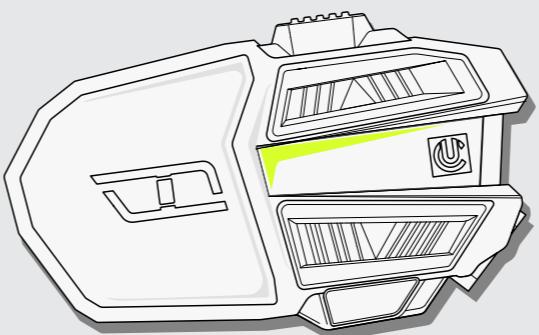
### GREEN

- ⌚ Blinking - Intercom connected



### TURQUOISE

- ⌚ Blinking - Music/intercom overlay



### CHARTREUSE

- ⌚ Blinking - Crash detected

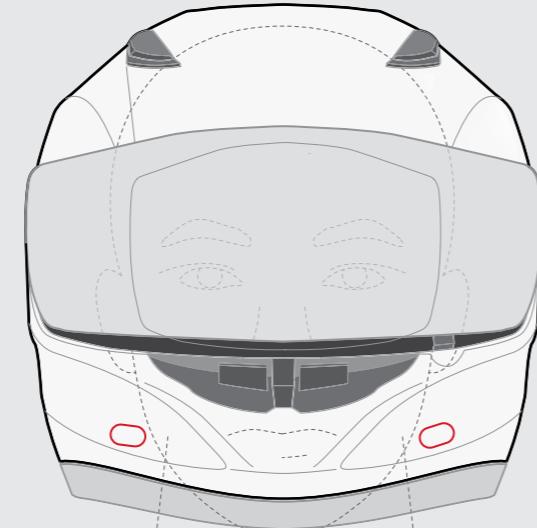
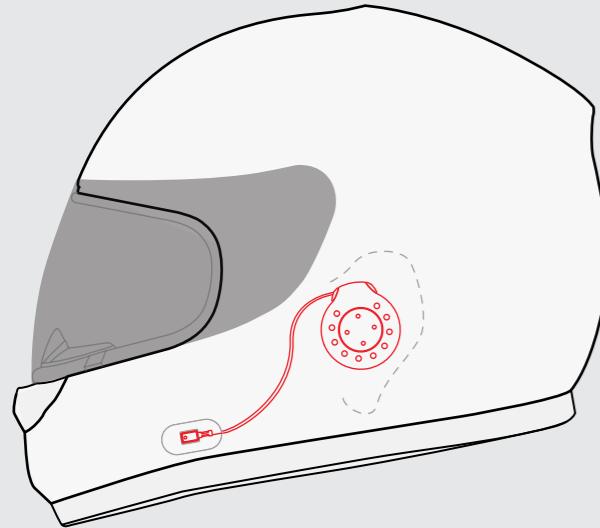
# INSTALLATION ON HELMET

Installation Video: [www.youtube.com/uclearworld](http://www.youtube.com/uclearworld)

**UCLEAR**  
DIGITAL  
**MOTION**  
SERIES

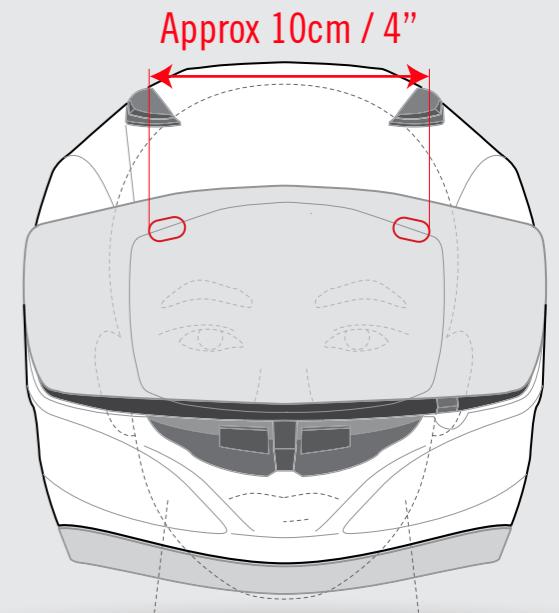
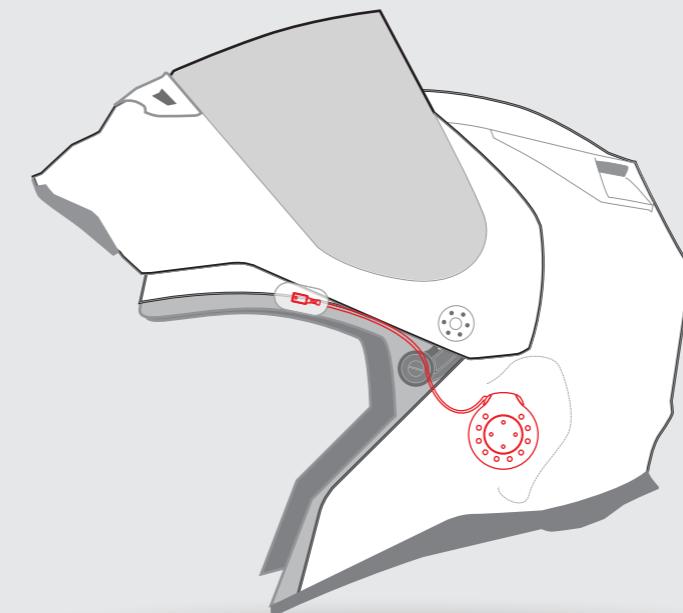
## SPEAKER INSTALLATION

### FULL FACE / MOTOCROSS HELMET



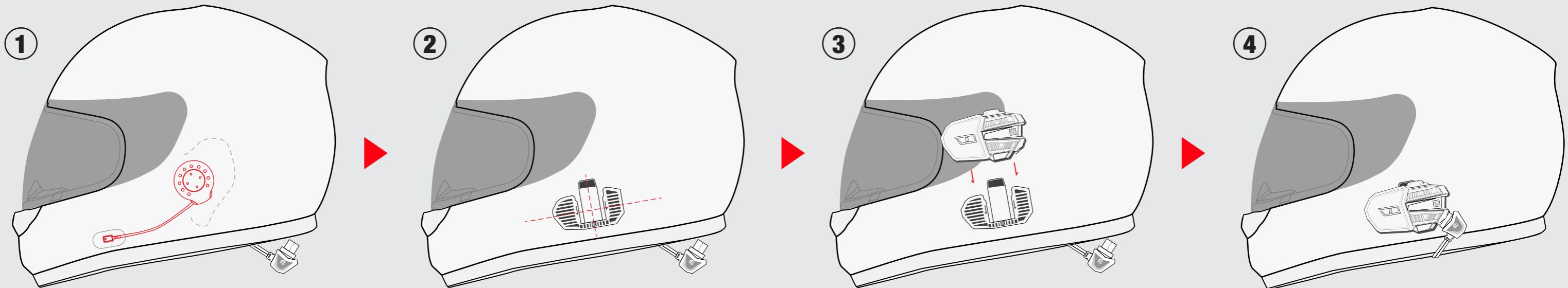
- Using included speaker mounting kit, locate speakers & mics per illustration.
- For best performance, adjust center of speakers directly over ear canals.
- Locate the mics behind cheek pads, aligned with mouth, using the included slotted small mounting rounds. Avoid either covering the mics too tightly or placement on air vents.

### OPEN FACE / MODULAR HELMET



- Using included speaker mounting kit, locate speakers & mics per illustration.
- For best performance, adjust center of speakers directly over ear canals.
- Using small slotted mounting rounds, locate mics under liner in brim of helmet, aligned between temples and outside of eyebrows. Avoid placement in air vent channels.

## CONTROLLER INSTALLATION



① Ensure mounting area is cleaned of any dust or oils.

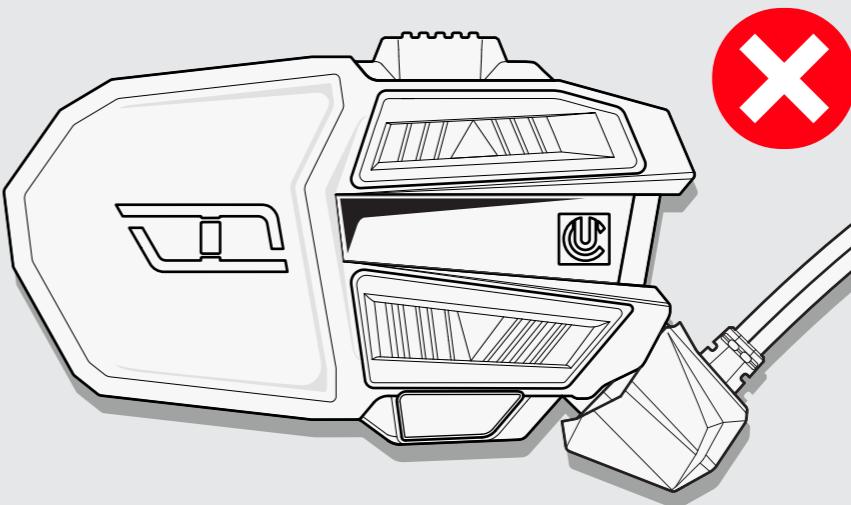
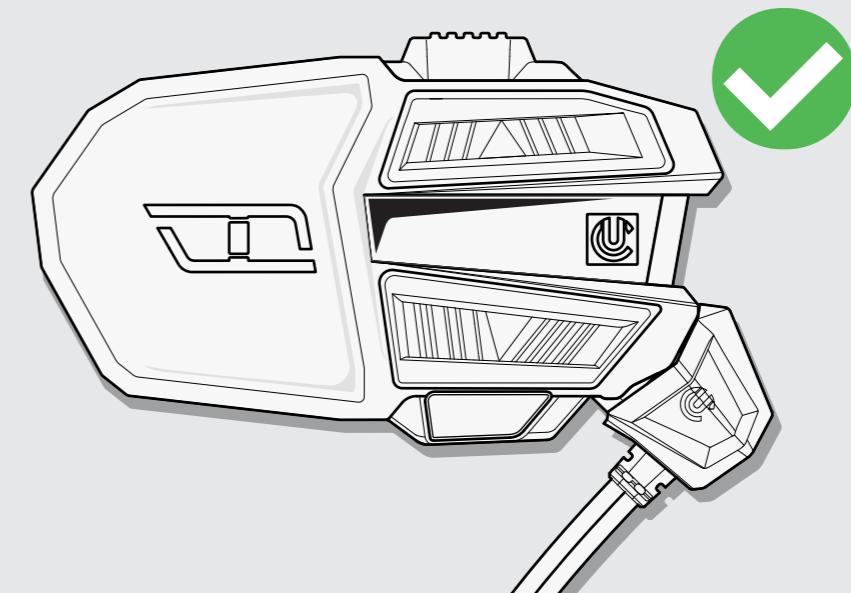
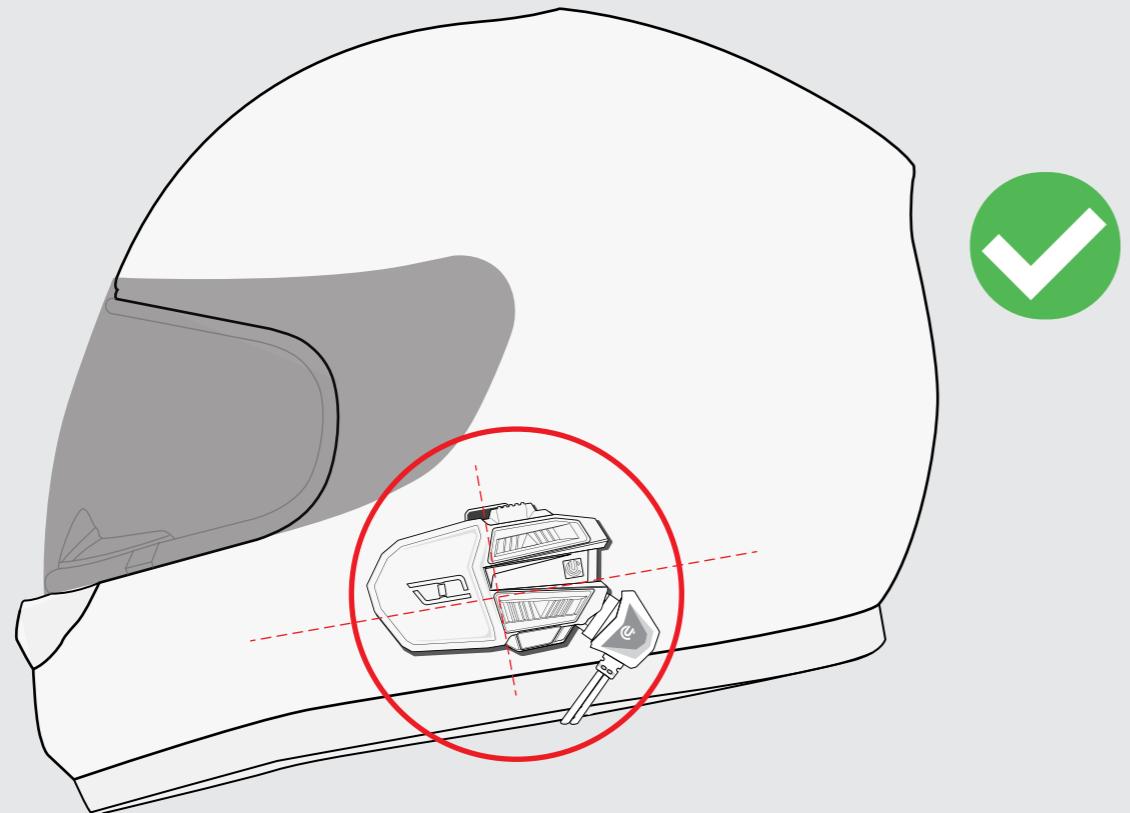
② \* Determine optimal mount location. Peel off protective film from adhesive and press down hard.

③ Dock the controller to the mount. Align the rails and slide down into place. You should hear a “click” when properly secured.

④ Plug speaker USB cable in all the way for a tight & weatherproof connection. Tuck excess wire slack into the helmet lining or behind cheek pads.

*\*New MOTION mount shown. Classic Mount (included) is also compatible.*

## CONTROLLER INSTALLATION NOTES

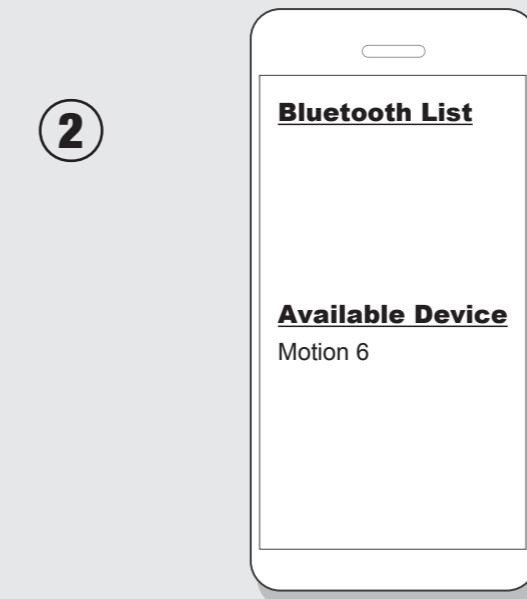
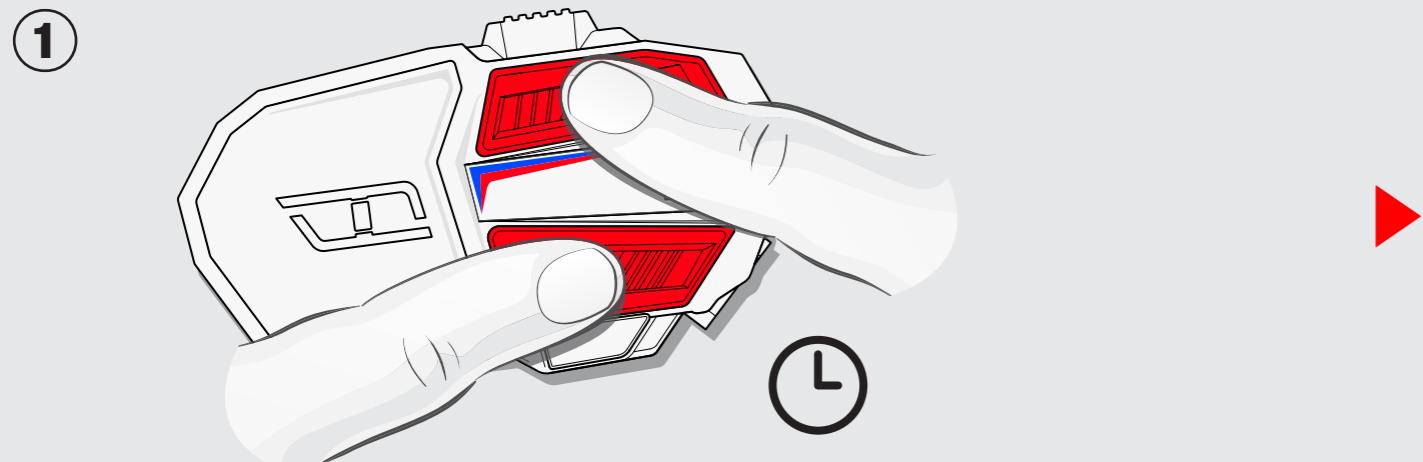


\* Note: Controller should only be placed on left side of helmet.  
Optimal location is low, along the jaw-line, near your left ear.

\* Note: Insert USB-C connector as shown above  
with UCLEAR logo facing front.

# PAIR DEVICE TO PHONE

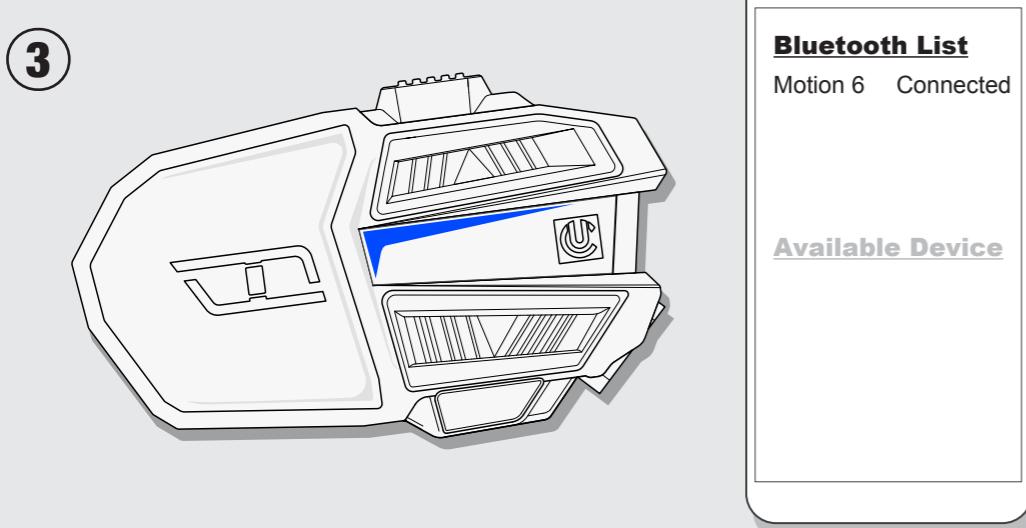
UCLEAR  
DIGITAL  
**MOTION**  
SERIES



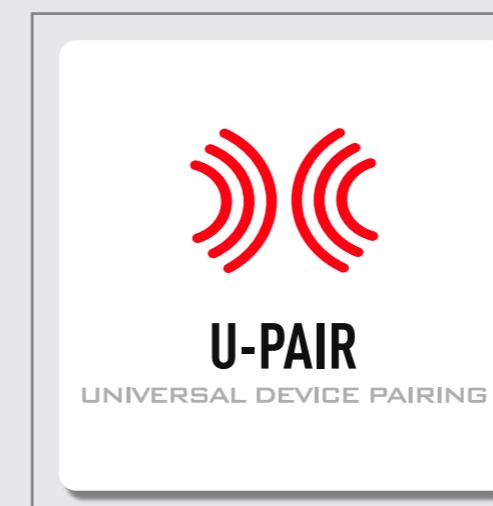
① Power **ON** State. Press & hold **UP & DOWN** until LED blinks **blue** and **red**.

② \* Select the name of the **UCLEAR™** device purchased in your mobile device's Bluetooth pairing screen.

*When pairing **UCLEAR™** to mobile devices you may see an option with "BLE" added to the device name. Do not select the "BLE" connection in this step.*



③ Once paired, control unit will blink **blue**. Device is ready for calls and media streaming!

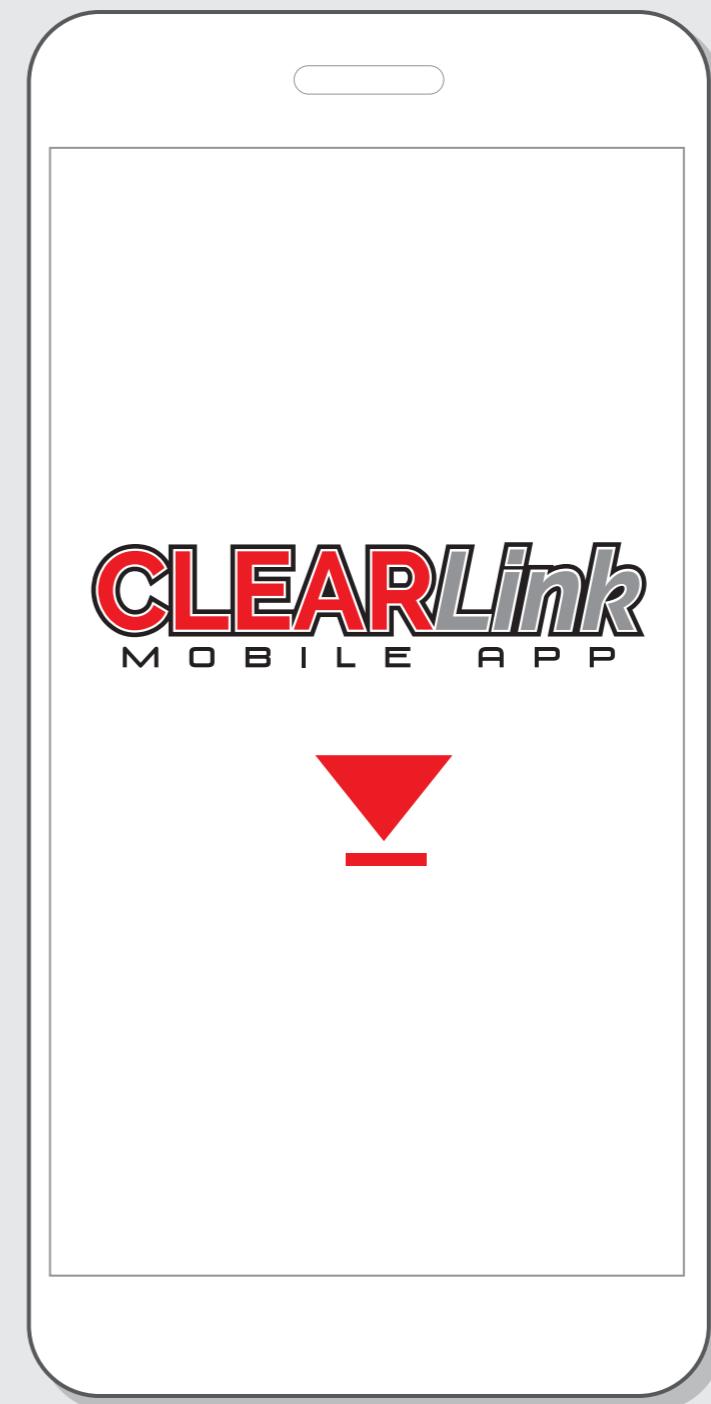


Follow these same steps for universal device pairing to compatible Bluetooth devices such as phones, tablets, GPS, OEM systems, MP3 players, and Bluetooth PTT radios. See page 14 for pairing to other brand intercom systems.

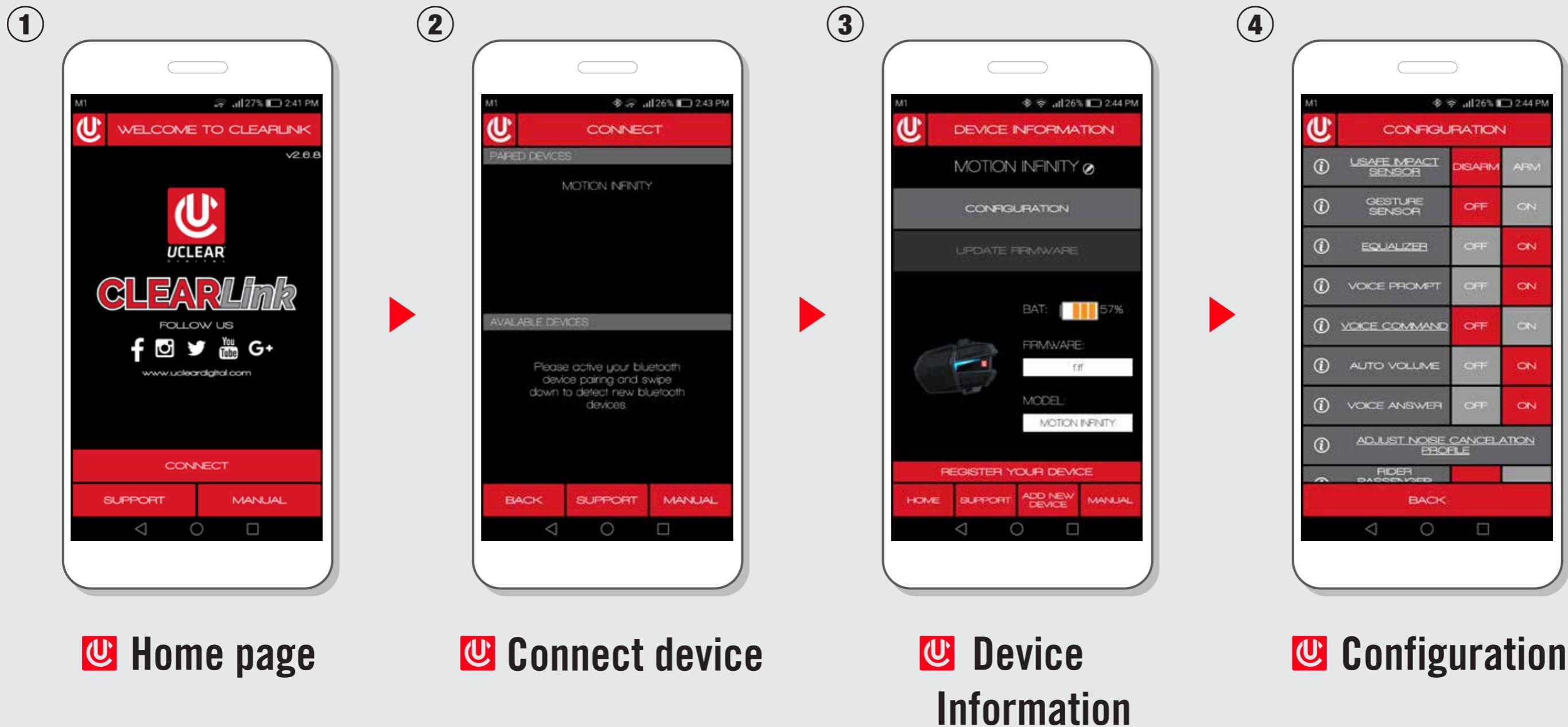
# DOWNLOAD CLEARLINK APP



- ④ CLEARLink Mobile App provides access to configuration, preference settings, wireless firmware updates, user manual and 1-touch access to tech support.
- ④ Download & install CLEARLink free from App Store (IOS) or from PLAY Store (Android).
- ④ If you do not have a smartphone, you can still place calls and stream media from Bluetooth enabled phones. However, CLEARLink is needed for certain features and device configuration options to function. For assistance, contact UCLEAR™ Support.



# PAIR DEVICE TO CLEARLINK APP



**Home page**

**Connect device**

**Device Information**

**Configuration**

\*UCLEAR must be paired to your mobile device before pairing to CLEARLink. When pairing UCLEAR device to CLEARLink, if you see "BLE" next to device name, OK to choose it. Apple users will see a notice on connection screen to "tap UCLEAR's POWER button 1x" before clicking "connect".

# MESH INTERCOM PAIRING

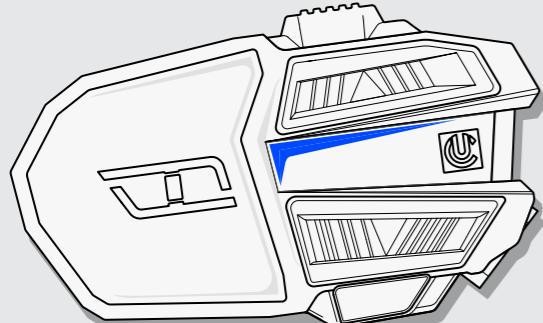
UCLEAR  
DIGITAL  
**MOTION**  
SERIES



The first ever mesh intercom network combined with Multi-Hop automatic switching. DYNAMESH pairs with mesh and non-mesh units, and auto-reorganizes as group riders change positions. This ensures stable and constant connections over the longest distances allowed by the FCC.

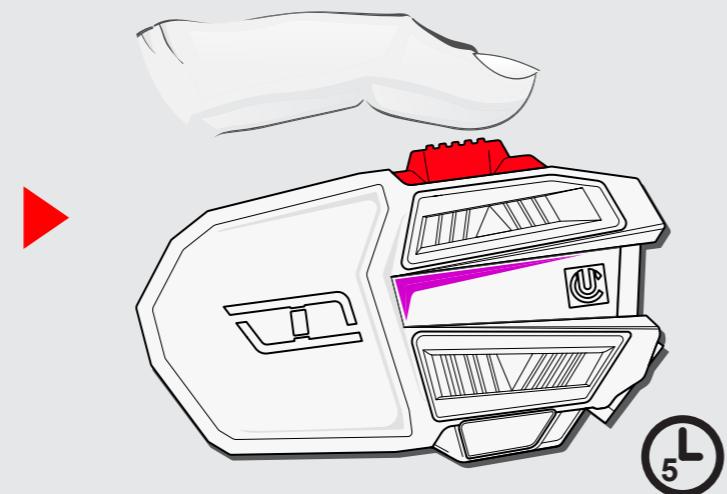
## For all **MOTION** Series Models

### ① ALL MOTION DEVICES



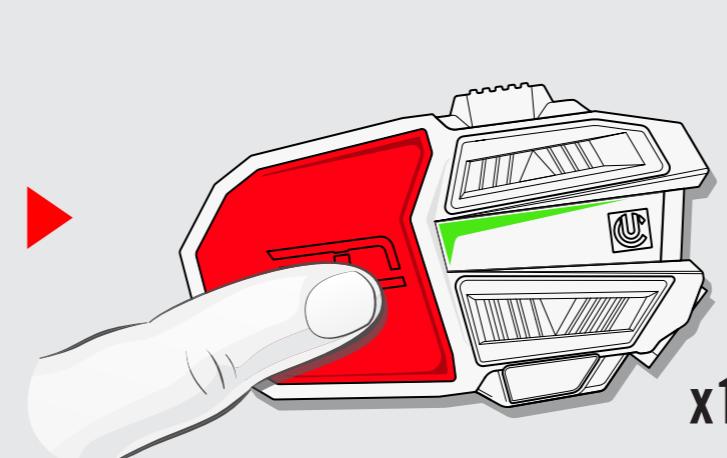
④ Power ON State

### ② ALL MOTION DEVICES



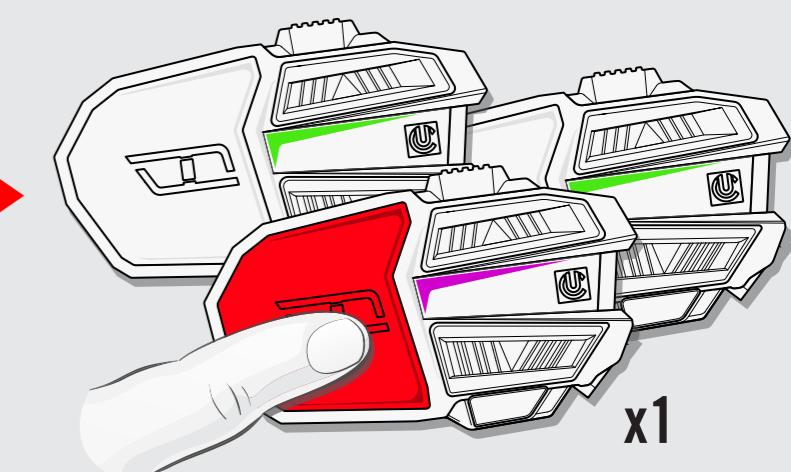
④ Press and hold **QUICK ACCESS** for 5 secs until LED blinks **purple**. Verify all units to be paired are blinking **purple** before next step.

### ③ ANY MOTION DEVICE



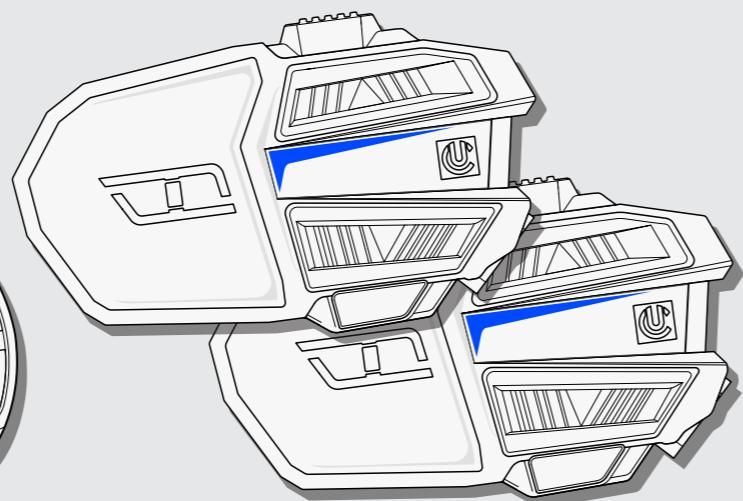
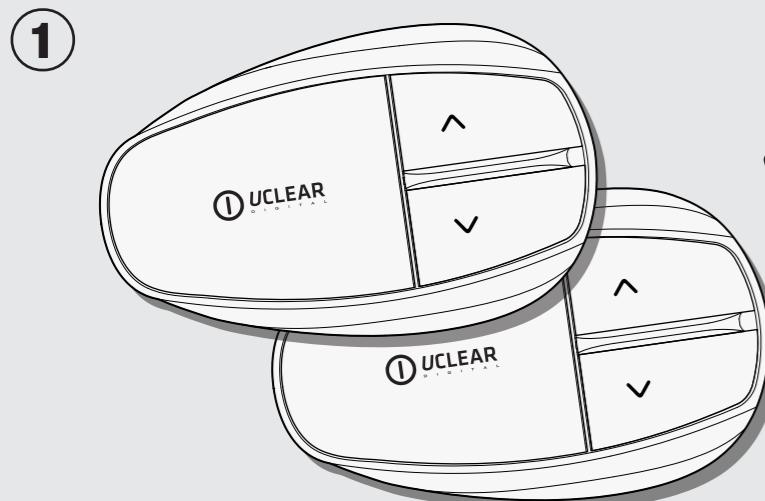
④ Press **POWER** on any MOTION device to initiate pairing process. The units will blink **green** once they are connected.

### ④ LAST MOTION DEVICE



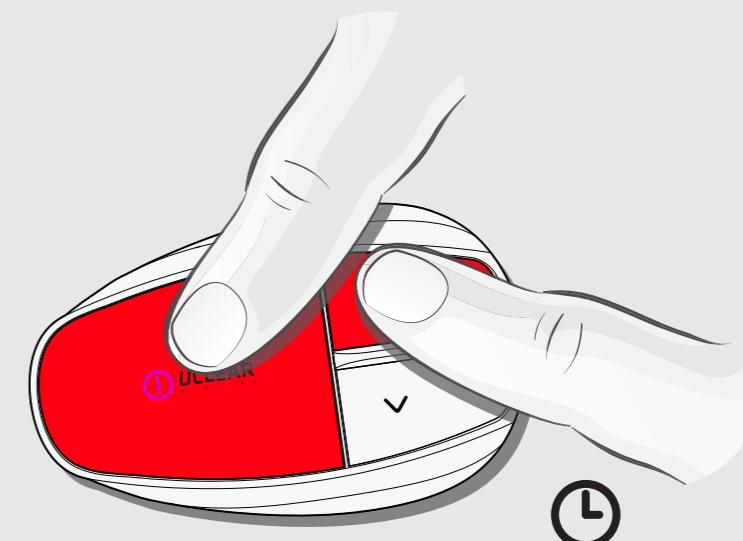
④ The last unit to pair continues to blink **purple** for 15 secs before system ends the pairing process. Optional: Press **POWER** once on the last unit blinking **purple** to end pairing manually.

## PAIRING MOTION UNITS WITH UCLEAR AMP SERIES UNITS



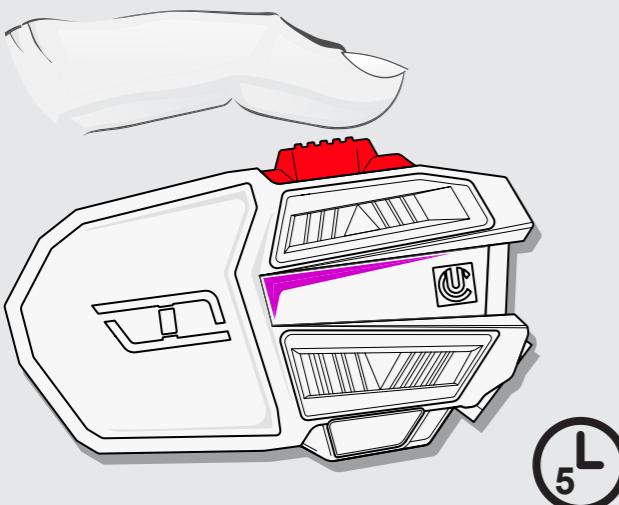
①

②



③

④



⑤

When all units to be paired are blinking purple, press POWER on any MOTION unit to initiate pairing sequence. Units will double-blink green as they are connected.

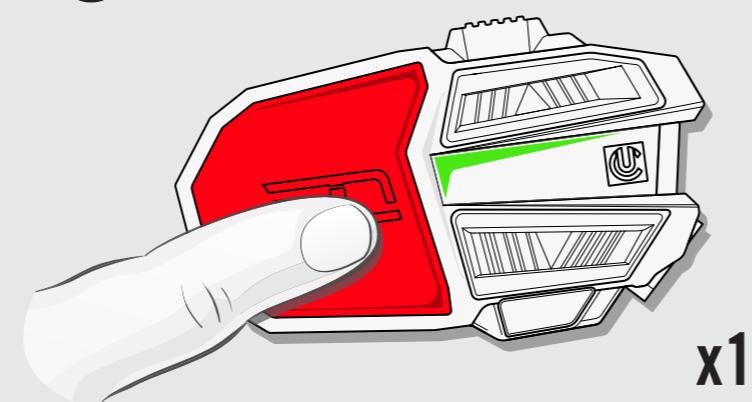
⑥

Next enter paring mode on MOTION unit(s). Press and hold **QUICK ACCESS** for 5 secs on MOTION unit(s) until LED blinks purple.

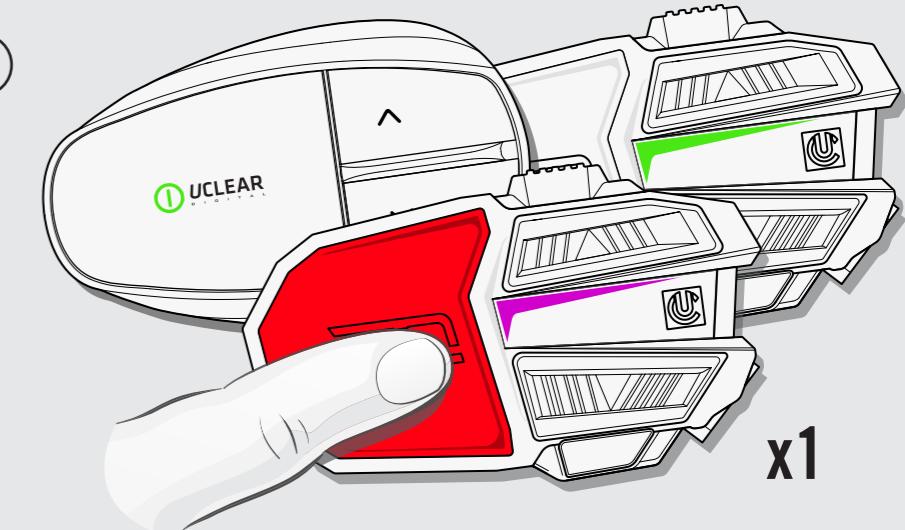
⑦

Start by powering on all AMP units directly into pairing mode by holding **POWER & UP** until device(s) blink(s) purple.

⑧



x1



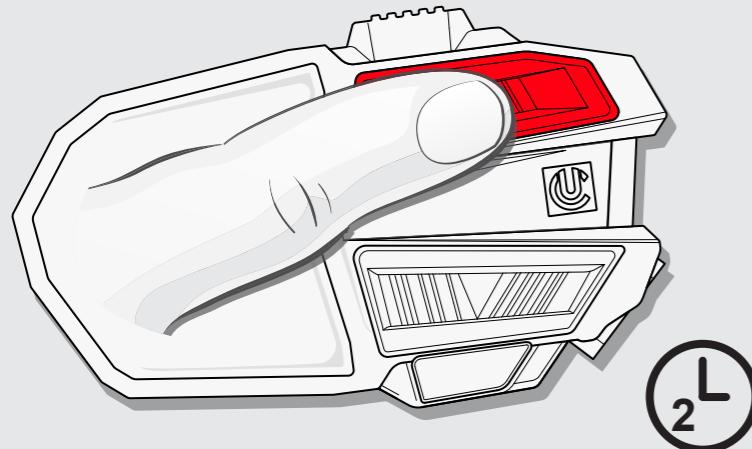
⑨

All but 1 unit will be blinking green. Press **POWER** on the last unit still blinking purple to end the pairing sequence. All units should be blinking green.

# INTERCOM CONTROL

UCLEAR  
DIGITAL  
**MOTION**  
SERIES

## CONNECT INTERCOM

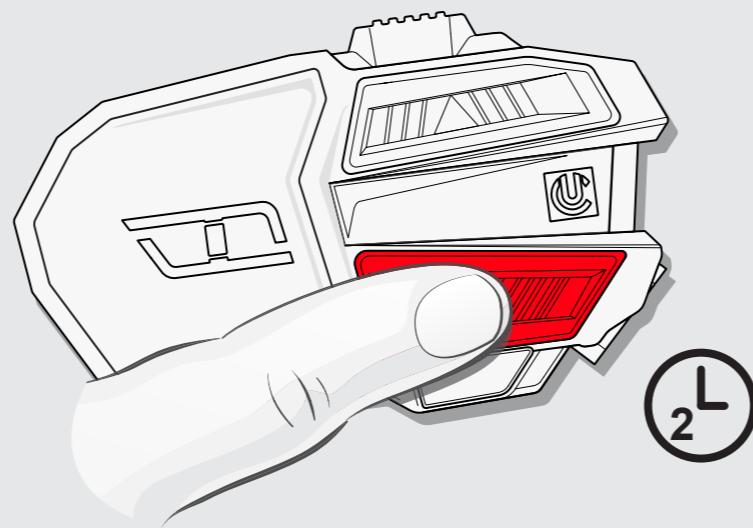


Press & hold **UP** 2 secs

OR

 Tip: Hold **UP** arrow 2 secs to quickly rejoin intercom group if disconnected.

## DISCONNECT INTERCOM



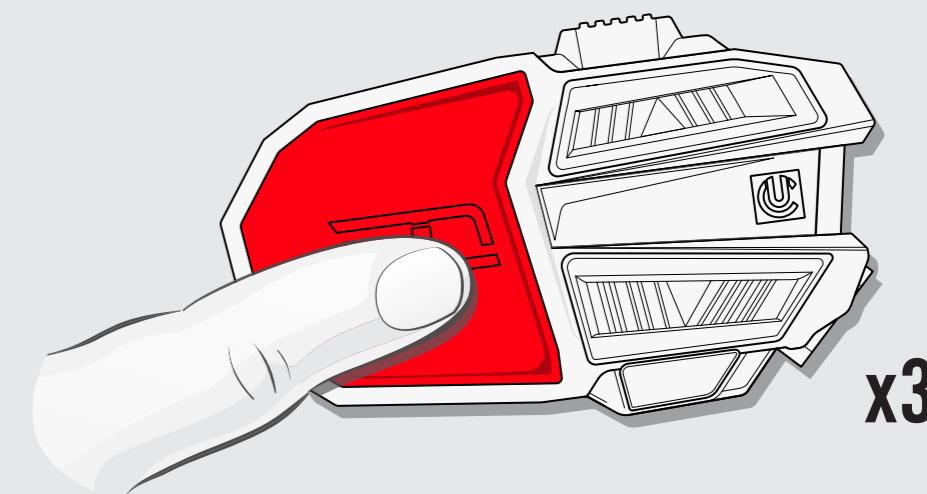
Press & hold **DOWN** 2 secs

OR

 Tip: You can also connect or disconnect intercom mode with voice command “INTERCOM”.

*\*MOTION 6 & MOTION Infinity Only*

## MICROPHONE MUTE/ UNMUTE



Press **POWER** 3 times

OR

 Tip: You can also mute or unmute microphones with voice command, “MICROPHONE”

*\*MOTION 6 & MOTION Infinity Only*

In music over intercom overlay mode volume controls apply to music, if playing.  
To adjust intercom volume, pause music, adjust intercom volume, then restart music.

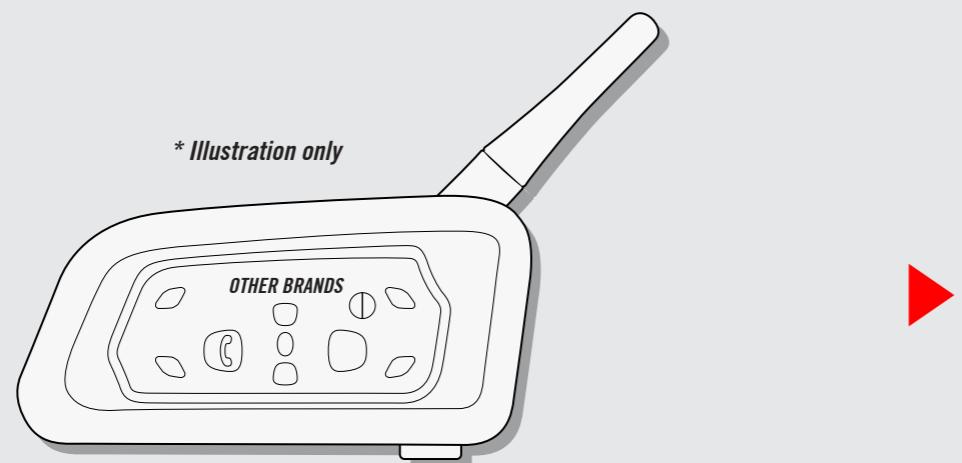
# UNIVERSAL INTERCOM PAIRING MODE

**UCLEAR**  
DIGITAL  
**MOTION**  
SERIES

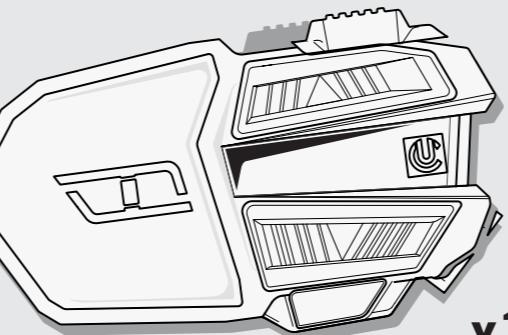


*U*-Pair allows universal device pairing to multiple Bluetooth devices at once. Smart phones, smart watches, tablets, action cams, OEM systems, and competitors' comm systems. *MOTION* Series has multiple Bluetooth profile compatibility and is an open pairing platform. *UCLEAR* can pair with any device which supports similar capability. Depending on the other device being paired, some functions, such as saving the pairing after shut down, or music over intercom mode may not be available.

## OTHER BLUETOOTH COMMUNICATOR

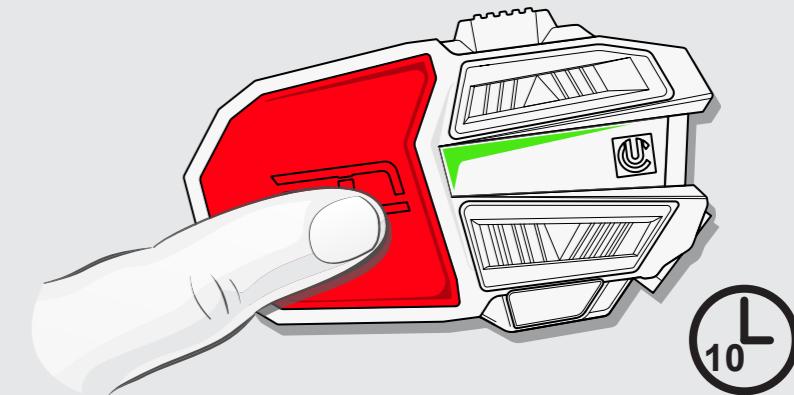


*\* Illustration only*



x1

## MOTION DEVICE



### STEP 1

Turn other brand **ON**, then enter its "Phone Pairing" mode.  
(Refer to other brand's instruction manual)

### STEP 2

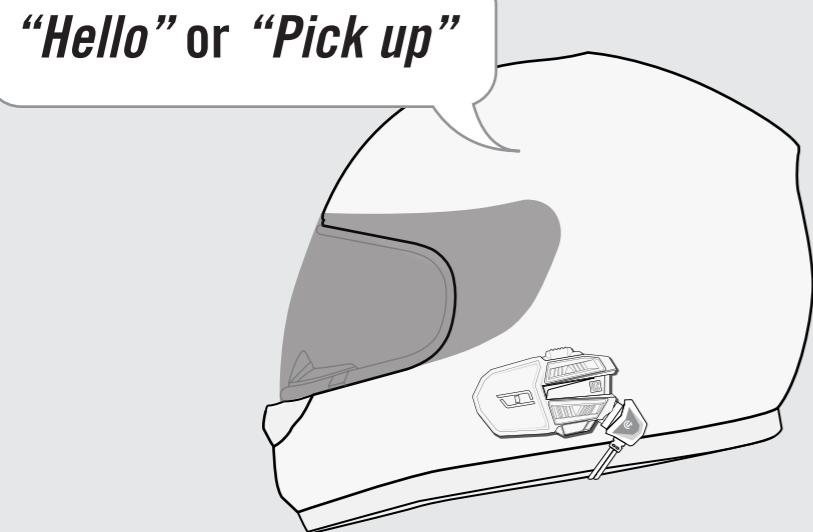
Start with *UCLEAR* unit turned **OFF**

### STEP 3

Press & hold **POWER** button approximately 10-15 seconds until LED is flashing **GREEN**. *UCLEAR* LED flashing **GREEN** indicates successful intercom pairing.

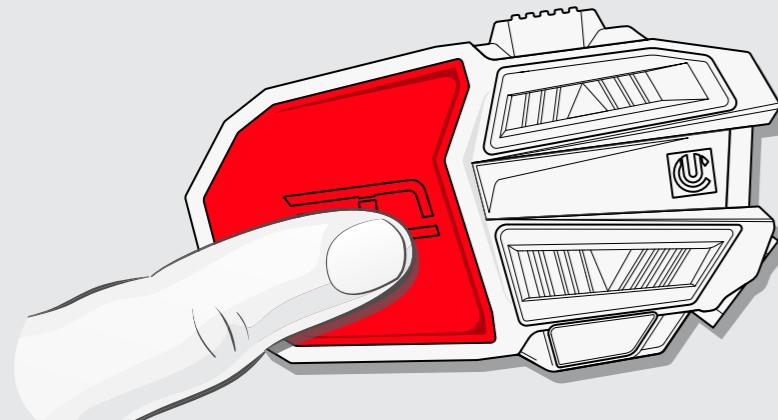
**NOTE:** If *UCLEAR* LED begins flashing **BLUE** after **POWER** button is held for 10-15 seconds, this indicates an unsuccessful pairing. Restart the pairing procedure from step 1 and try again.

## PICK UP INCOMING CALL



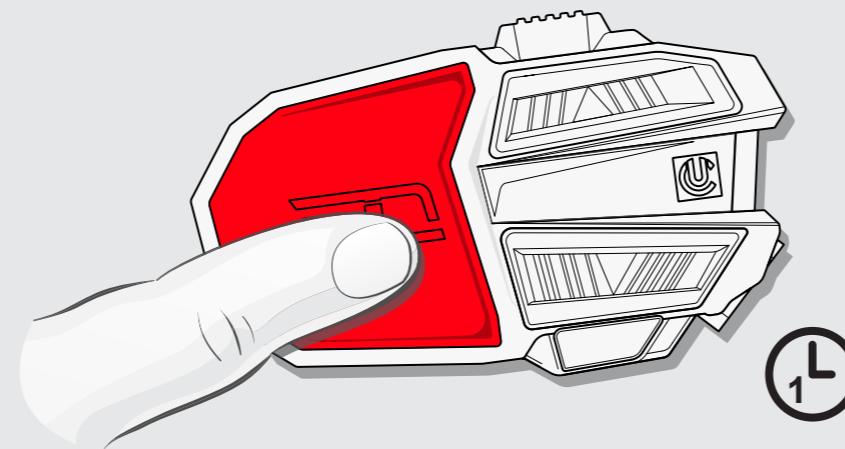
Say ***Hello*** or ***Pick up***

OR



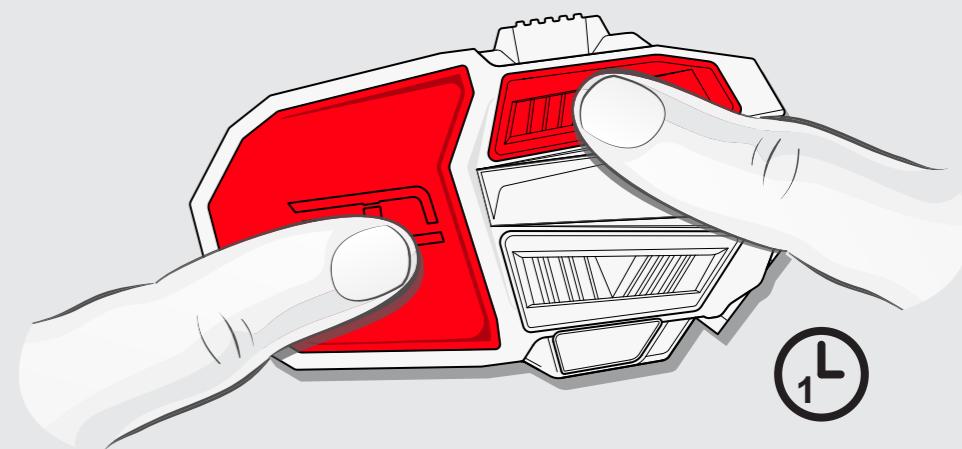
Press **POWER** once

## END OR REJECT A CALL



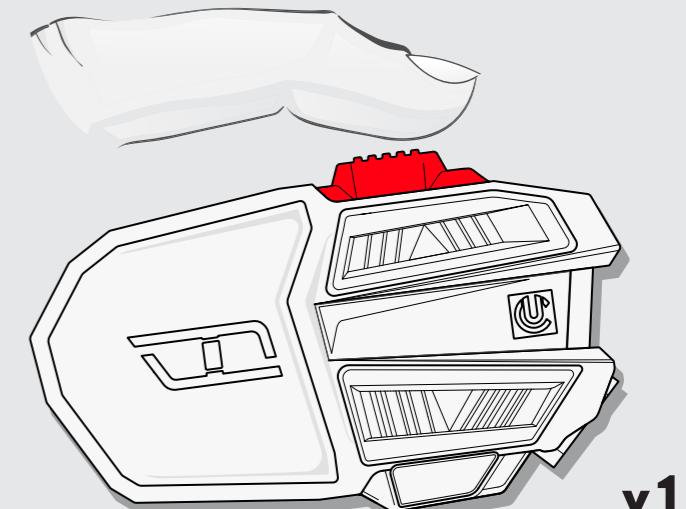
Press & hold **POWER** 1 sec

## LAST NUMBER REDIAL

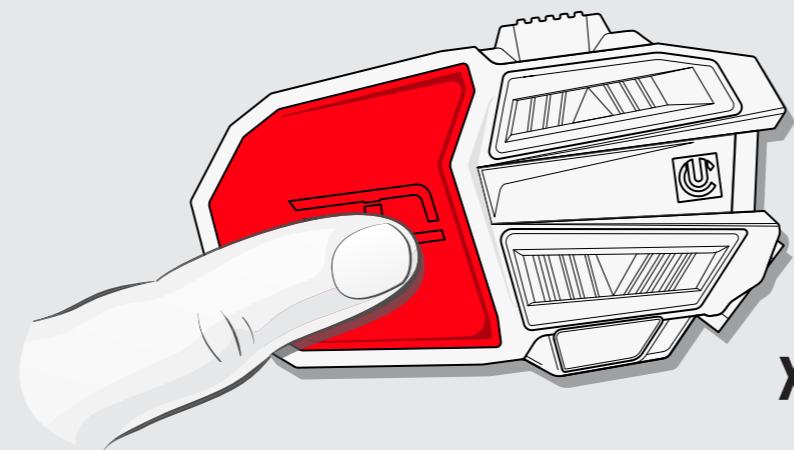


Press & hold **POWER & UP** 1 sec

OR



**x2**

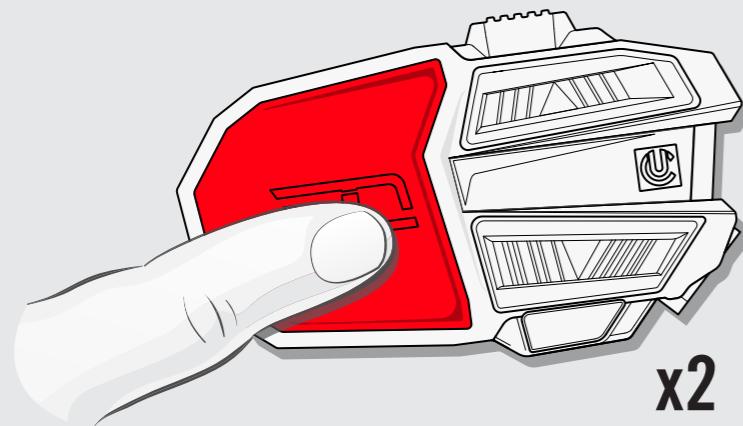


Press **POWER** twice

Press **QUICK ACCESS** once and speak command "REDIAL"

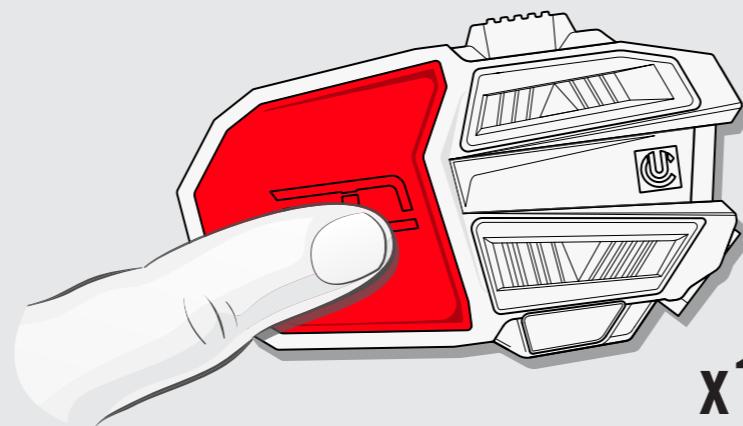
## BUTTON METHOD (See also, Gesture Sensor Control, pages 17-20)

### PLAY/RESUME MUSIC



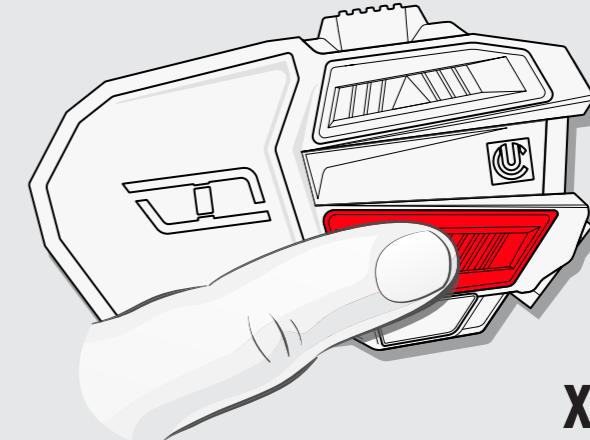
Press **POWER** twice

### STOP/PAUSE MUSIC



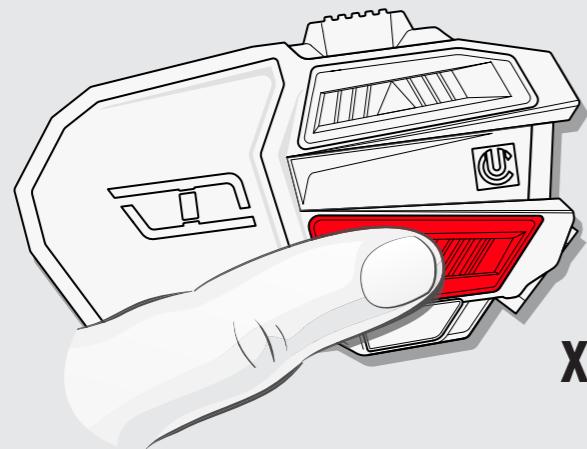
Press **POWER** once

### VOLUME DOWN



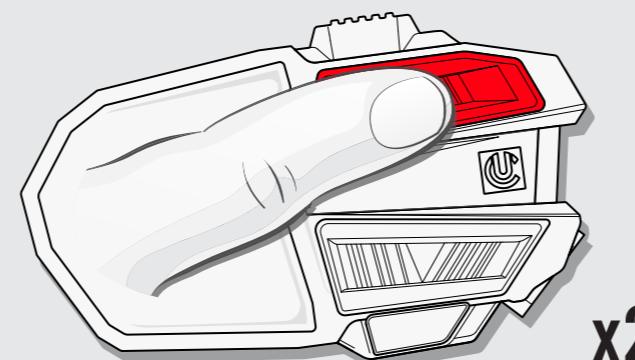
Press **DOWN** once per level.

### BACK TRACK



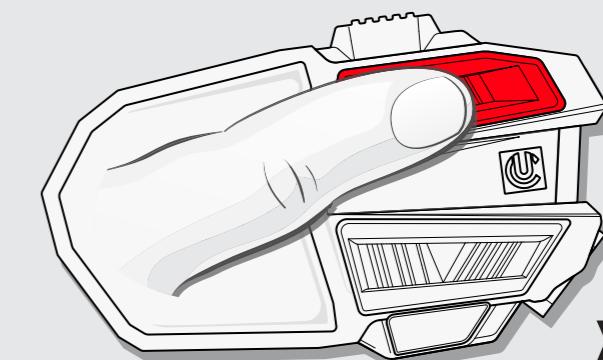
Press **DOWN** twice

### SKIP TRACK



Press **UP** twice

### VOLUME UP



Press **UP** once per level.

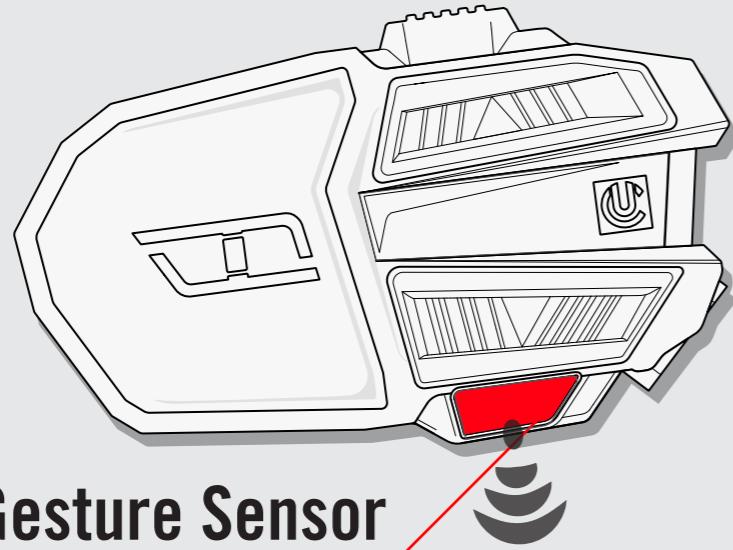
# GESTURE SENSOR CONTROL

UCLEAR  
DIGITAL  
**MOTION**  
SERIES



Exclusive gesture control sends out a sensor beam from your MOTION unit allowing simple hand gestures to command the most common features such as volume and pause/restart music without searching for buttons. Thick gloves? No problem!

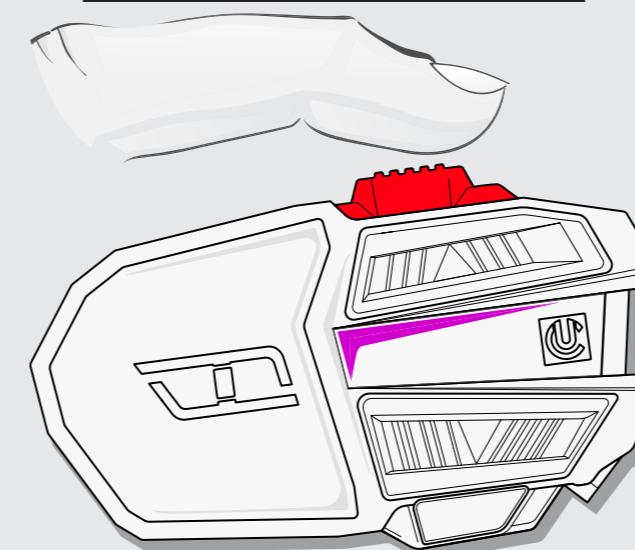
## GESTURE SENSOR POSITION



### Gesture Sensor

Wave across device's  
Gesture Sensor to  
issue the commands.

## ACTIVATING/DEACTIVATING GESTURE SENSOR



Power **ON** State  
Press **QUICK ACCESS** 3 times

x3

OR

**CLEARLink**  
MOBILE APP

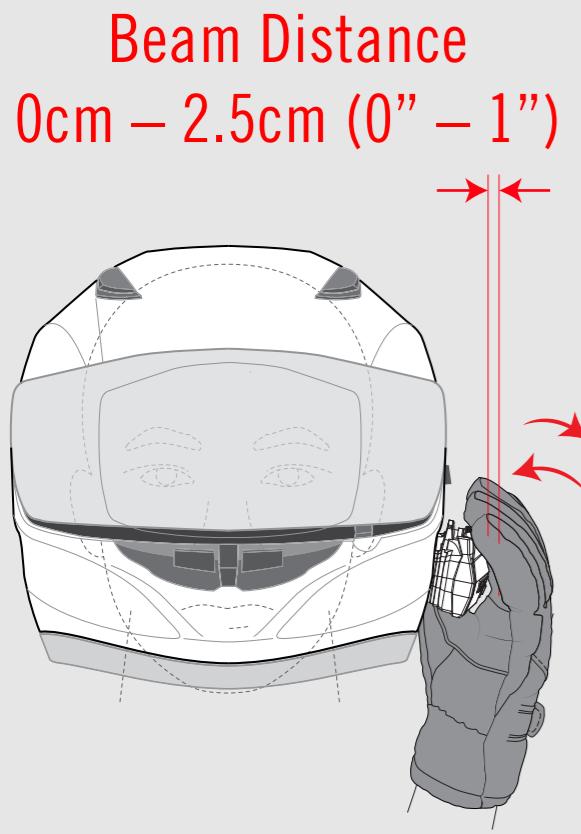
Toggle ON/OFF with  
CLEARLink Mobile App

# GESTURE SENSOR CONTROL

(DEFAULT MODE FOR FIRMWARE 1.24 & ABOVE)

UCLEAR  
DIGITAL  
**MOTION**  
SERIES

## GESTURE CONTROL (NEW DEFAULT METHOD)



Issue commands with  
light, quick taps on  
device with open palm.  
Each tap is 0cm – 2.5cm  
(0" – 1") from sensor.

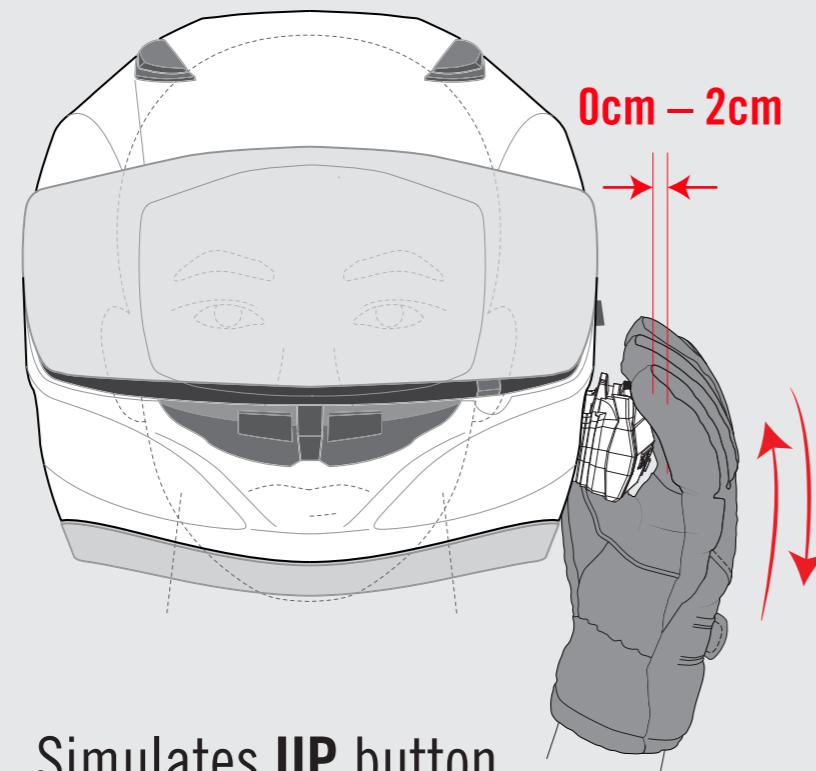
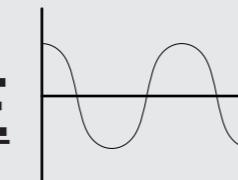
MODE	MUSIC	INTERCOM	PHONE CALL
2 TAPS	VOLUME UP	VOLUME UP	VOLUME UP
2 TAPS (HOLD 2 <sup>ND</sup> TAP 1 SECOND)	VOLUME DOWN	VOLUME DOWN	VOLUME DOWN
3 TAPS	SKIP TRACK	MICROPHONE ON/OFF	MICROPHONE ON/OFF
3 TAPS (HOLD 3 <sup>RD</sup> TAP 1 SECOND)	BACK TRACK	CONNECT / REGROUP INTERCOM	N / A
TAP / HOLD ON DEVICE 2 SECONDS	PLAY / PAUSE MUSIC	PLAY/PAUSE MUSIC (MUSIC OVERLAY)	END / CANCEL PHONE CALL

In music over intercom overlay mode volume controls apply to music, if playing.  
To adjust intercom volume pause music, adjust intercom volume, then restart music.

## GESTURE CONTROL (CLASSIC METHOD)

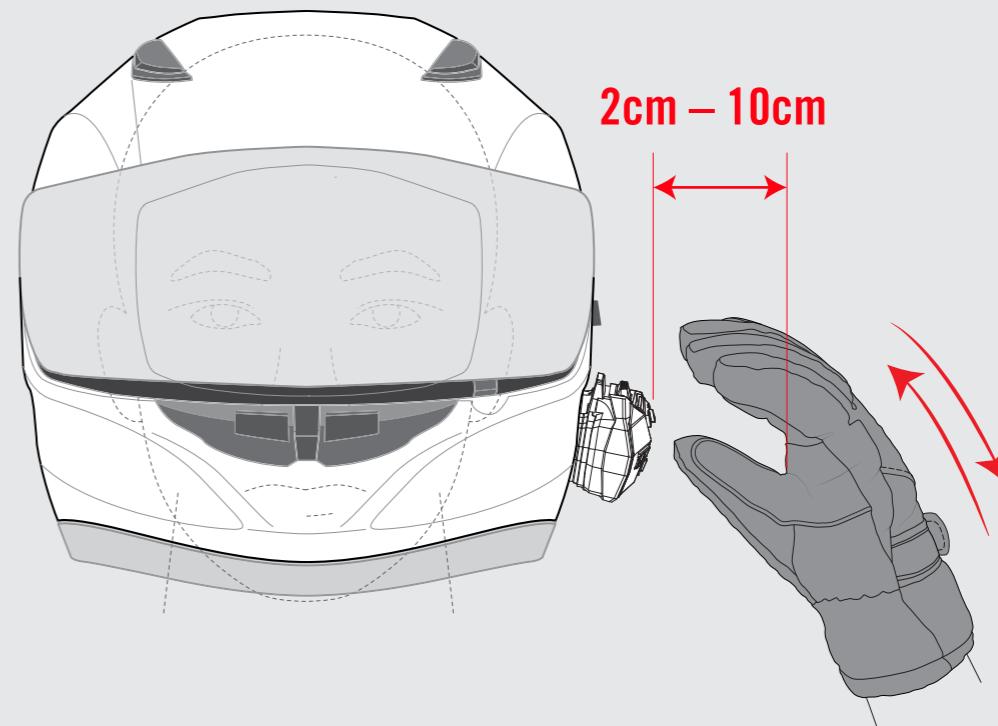
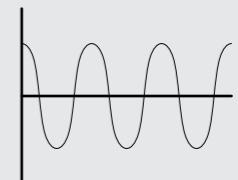
You can choose between Default or Classic Interface through **CLEARLink**

### HIGHER PITCH TONE



Simulates **UP** button.  
Light, quick tap on device.

### LOWER PITCH TONE



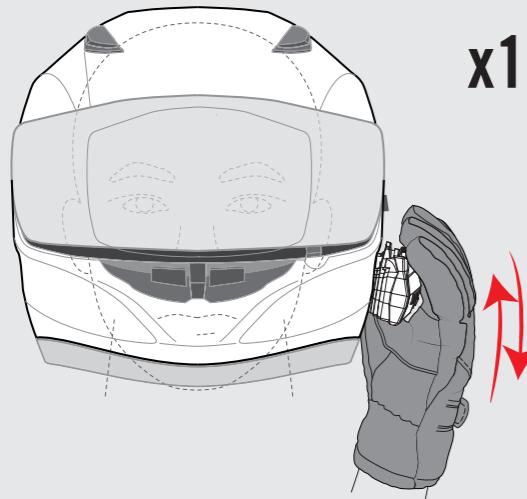
Simulates **DOWN** button.  
Wave into sensor beam 1"- 4"  
(2cm – 10cm) away from device.

# GESTURE SENSOR CONTROL (CLASSIC MODE)

U UCLEAR  
DIGITAL  
**MOTION**  
SERIES

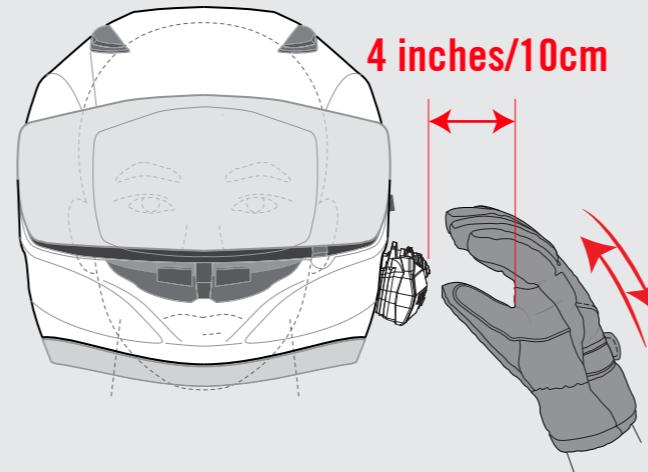
## GESTURE COMMAND- MUSIC CONTROL MODE(CLASSIC)

### VOLUME UP



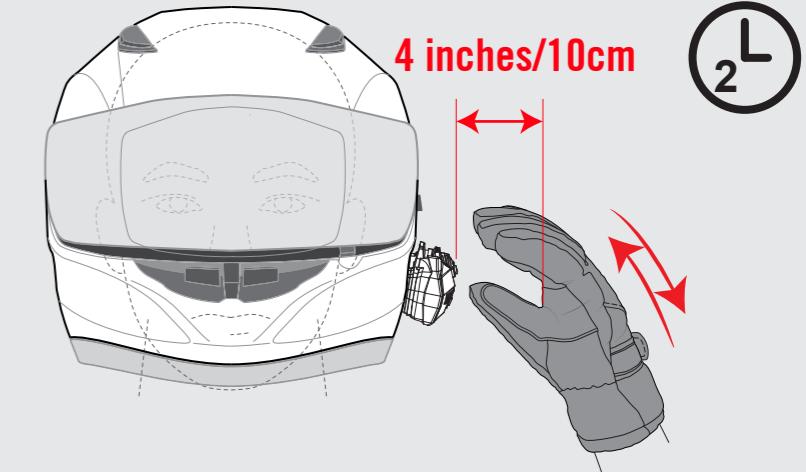
Lightly tap on device once.

### VOLUME DOWN



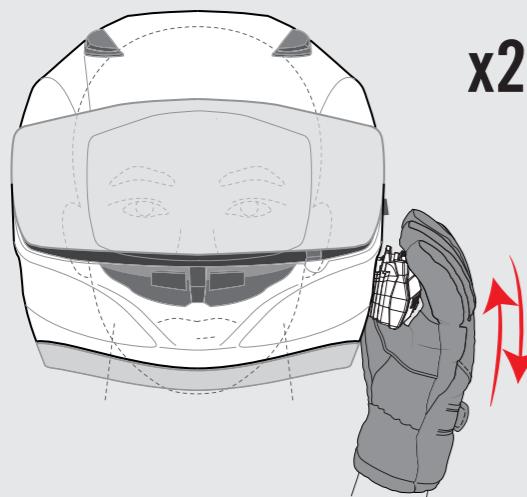
Wave into beam once

### PLAY / PAUSE MUSIC



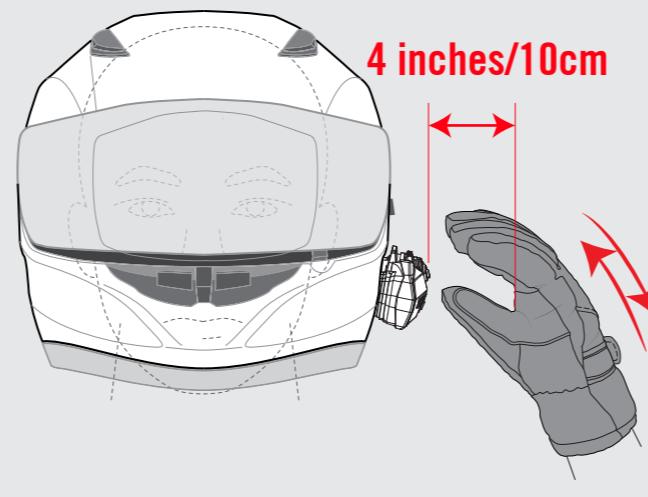
Wave into beam and hold  
for 2 secs.

### SKIP TRACK



Lightly tap on device twice.

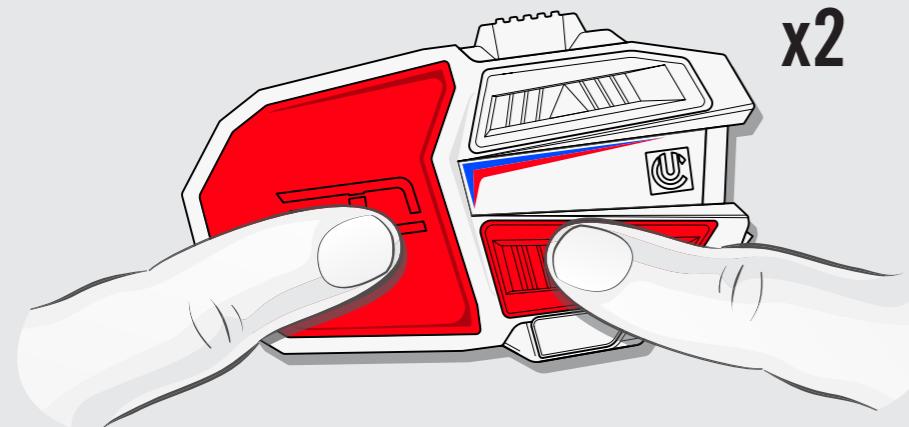
### BACK TRACK



Wave into beam twice

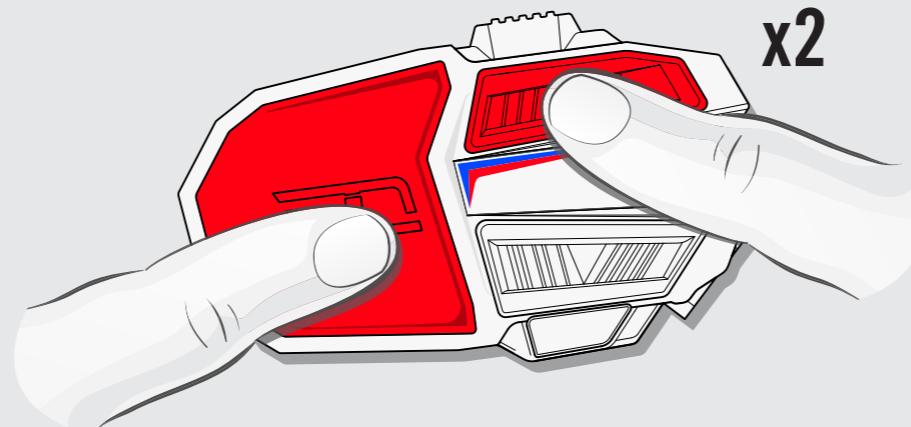
Classic Method  
Beam Distance  
0cm – 10cm (0" – 4")

①  **MOTION DEVICE A**



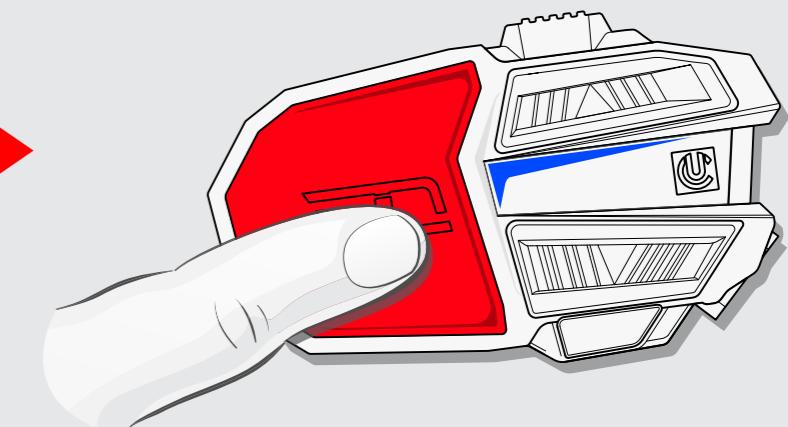
Power **ON** state.  
 Press **POWER** & **DOWN** twice quickly. LED indicator will blink **blue** and **red**.  
 DEVICE A will be the master unit which transmits the music.  
 Play/pause commands on DEVICE A affect both devices.

②  **MOTION DEVICE B**



Power **ON** state.  
 Press **POWER** & **UP** twice quickly. LED indicator will blink **blue** and **red**.  
 DEVICE B will receive the music, but can also play/mute music without affecting DEVICE A.

①  **MOTION DEVICE A**



Both MOTION units will start blinking **blue** when pairing completes.  
 Control music playback and volume as shown on pages 16 & 19. Example: press **POWER** twice to start music play. Press **POWER** once to pause music.

**NOTE:** Music Sharing feature supports sharing from 1 enabled UCLEAR unit to 1 other enabled UCLEAR unit over intercom. Both units must be paired for intercom before music sharing.

## *(MOTION 6 & MOTION Infinity Models Only)*

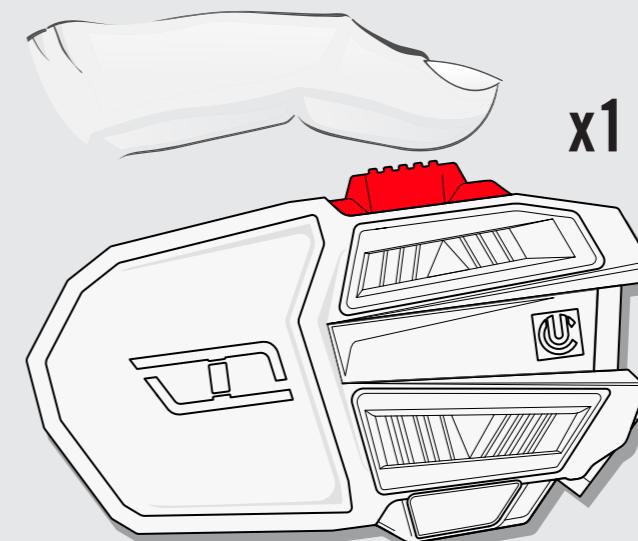


UCommand allows control of your Motion Series unit by natural voice and facilitates access to Apple Siri and Google Voice on your paired mobile device.

*\* Note: CLEARLink app must be connected in foreground or background to control Motion units by voice. CLEARLink is **NOT** required to control Apple Siri / Google Voice*

- Visit CLEARLink Mobile app to view & configure available voice commands. You can train the commands to your own voice or custom words!
- Use command “What can I say” anytime to hear the list of available commands.

**“What can I say?”**



- Press **Quick Access** once to activate voice control of the Motion unit features. Wait for tone before speaking command.

## APPLE SIRI / GOOGLE VOICE



- ⌚ MOTION provides quick access to Apple Siri / Google Voice service through your helmet.
- ⌚ Apple Siri or Google Voice reside in your mobile device. Activate and set up the service in your mobile device prior to next step.

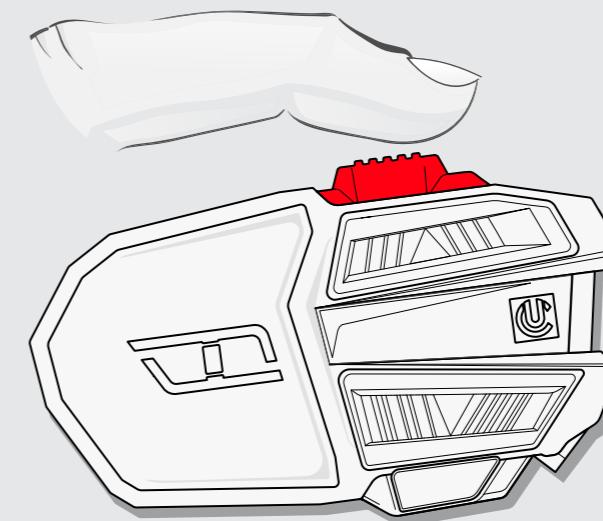


**MOTION 6 & Infinity**

x2 Taps

**MOTION 4**

x1 Taps



- ⌚ Press **QUICK ACCESS** to open access to Apple Siri / Google Voice mobile device controls. Wait for tone before speaking command.

# USAFF CRASH SENSOR

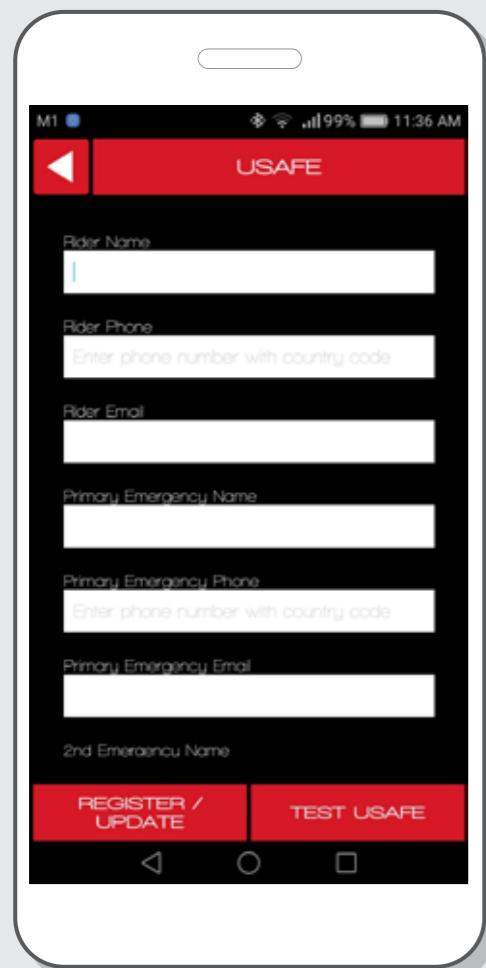
## (MOTION INFINITY MODELS)

U UCLEAR  
DIGITAL  
**MOTION**  
SERIES



The revolutionary USAFF uses an advanced accelerometer to detect and measure hard impacts. If you are unresponsive, USAFF can alert your contacts of your situation and GPS location. Requires a connected GPS enabled mobile device.

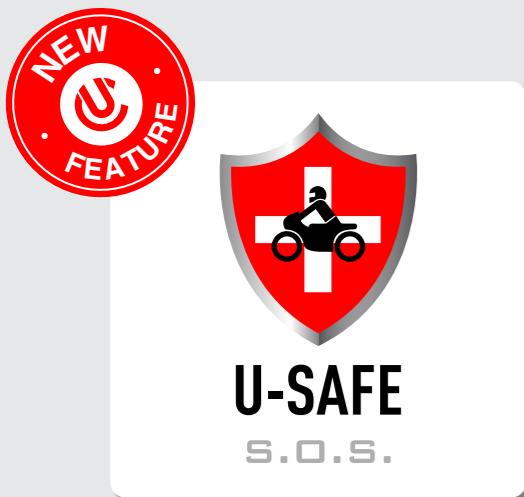
**NOTICE:** Due to varying laws, please do NOT enter 911 or civil emergency services as a USAFF emergency contact without their prior written permission.



1. Pair MOTION Infinity to mobile device & connect to CLEARLink as shown on pages 8-10.
2. Agree to permissions & turn on mobile device GPS.
3. "ARM" USAFF in CONFIGURATION menu.
4. Enter your "rider information" and up to 3 emergency contacts' information.
  - ⌚ **NOTE:** Phone numbers must include "+" and country code. Example: +1 1112223333
  - ⌚ **NOTE:** 1st emergency contact listed is primary contact, and will also be auto-dialed by your phone
5. Tap "REGISTER/UPDATE" to update the USAFF database. This will also trigger an email notification test message send to your listed contacts, informing they have been listed by you as contacts.

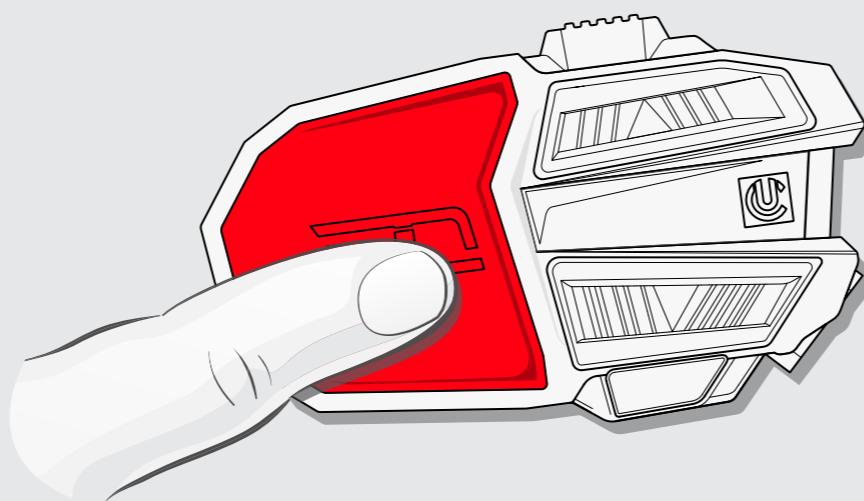
USAFF is now "ARMED" and ready. ARM/DISARM anytime in CLEARLink configuration menu.
6. OPTIONAL: Use "TEST USAFF" button to test the sensor and the emergency notifications. Sensor will be temporarily set to trigger with a light tap. The notification message can be stopped or allowed to go on and send out emergency notifications marked "TEST ONLY" after 30 seconds.
  - ⌚ **NOTE:** CLEARLink Mobile App must be opened in foreground or background for USAFF to function.

## MANUAL S.O.S MODE



*USAFE* S.O.S mode allows riders to manually trigger emergency notifications (after setting up *USAFE* in the *CLEARLink* app, as seen on the previous page). When S.O.S is triggered, *USAFE* notifications will attempt to transmit immediately.

Triggering  
**USAFE S.O.S. Mode:**



X5 Taps, +1 to Confirm

\*Note: 6 quick taps WILL trigger *USAFE* S.O.S.

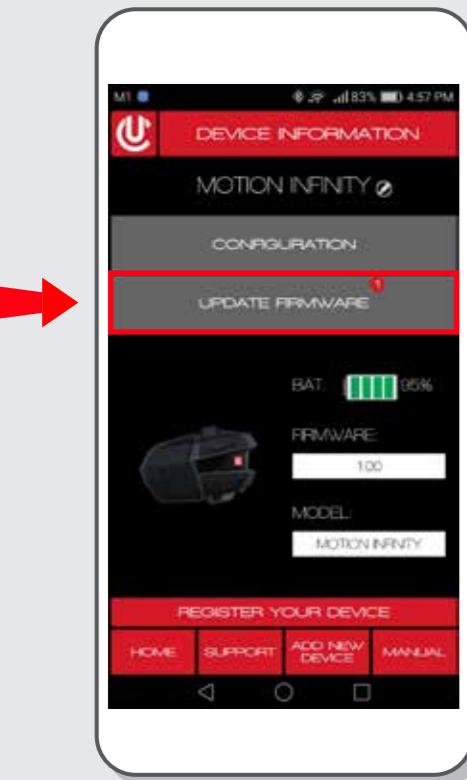
Tap **POWER** button 5 times,  
then 1 more time to confirm  
S.O.S. (S.O.S. send cancels  
after 5 seconds without 6th  
confirmation tap)

# FIRMWARE UPDATE

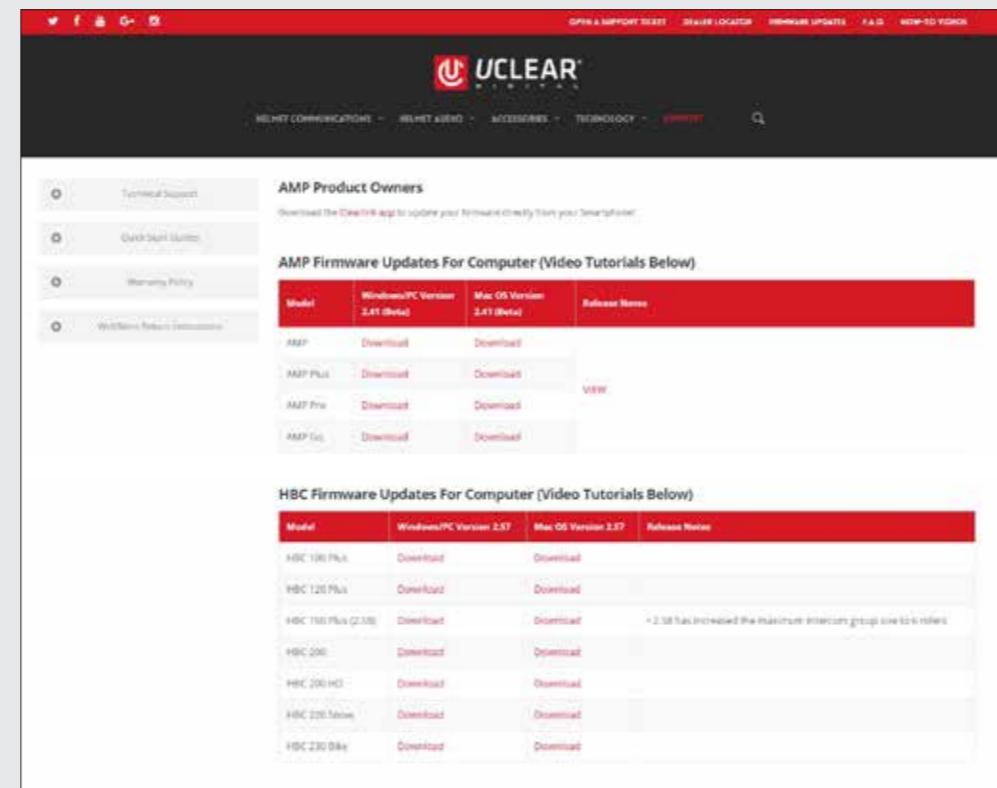


E-Z!

## WIRELESS UPDATES VIA CLEARLink MOBILE APP



OR



## UPDATES VIA PC / MAC



- ④ Connect device to CLEARLink as shown on pages 8-10  
Tap “UPDATE FIRMWARE” and follow on-screen instructions.

- ④ Visit [www.ucleardigital.com/firmware](http://www.ucleardigital.com/firmware) and download the latest firmware wizard for your UCLEAR model.  
Open the wizard, then proceed to next step. See our help videos or contact UCLEAR Support for assistance.

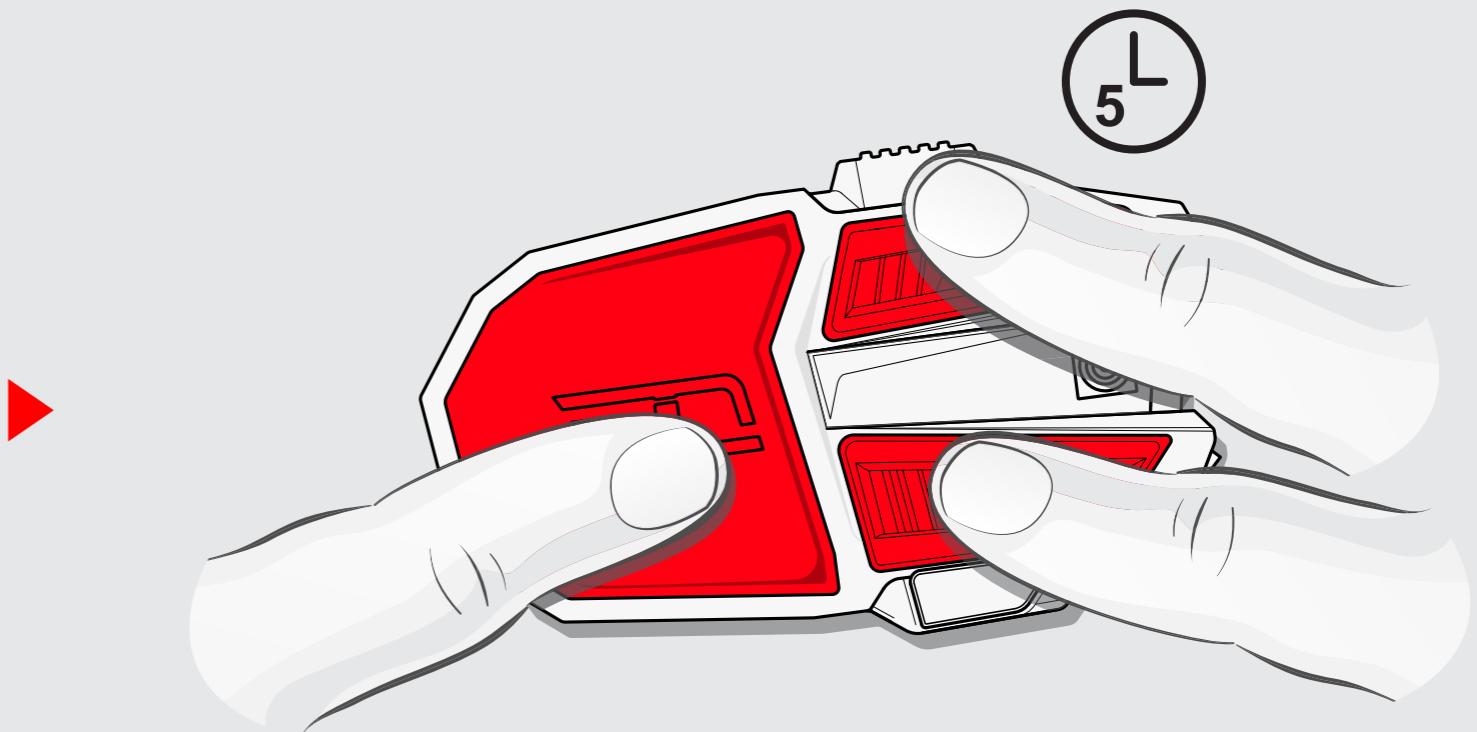
- ④ Power **OFF** state, connect device to PC/MAC with included USB charge/data cable. Hold **POWER+UP+DOWN** to reset device, then hold **POWER** until **red** LED turns off (prepares device for update).  
Follow on-screen instructions in wizard.

# REBOOT / 3-BUTTON RESET



- ⌚ To manually reboot *UCLEAR* devices, use the 3-button reset (does not erase your settings).
- ⌚ Press & hold **POWER + UP + DOWN** at the same time for a few seconds.
- ⌚ Afterwards, power the unit back on. If the unit does not power on, try resetting again while it is plugged into its charger.

If you experience further problems, please contact *UCLEAR* Support.



## WHY & WHEN:

- ⌚ If *UCLEAR* device does not power on after charging or firmware update- may be stuck in “update mode”.
- ⌚ LED does not light up while charging.

**\*NOTE:** 3-Button reset is a clearing/reboot process. It will NOT reset your *UCLEAR* device to factory defaults, or erase settings or pairings.

# You've got questions? **We've got answers!**

If your question is not found in this user manual,  
please visit our FAQ's or our videos on YouTube!

FAQ's can be found in the CLEARLink App "**Support**" button

FAQ's can also be found by visiting [www.ucleardigital.com](http://www.ucleardigital.com) or [www.uclear.eu](http://www.uclear.eu)

Videos can be found by visiting [www.youtube.com/uclearworld](http://www.youtube.com/uclearworld)

Email questions to: [support@ucleardigital.com](mailto:support@ucleardigital.com) (North America) or to [info@uclear.eu](mailto:info@uclear.eu) (EU)

# TABLE OF COMMANDS

## (BUTTON COMMANDS)



COMMAND	ACTION	LIGHT INDICATOR
<b>COMMON BUTTON COMMANDS</b>		
Power On	Press & Hold <b>POWER</b> for 3 secs	Blinking <b>Blue</b>
Power Off	Press & Hold <b>POWER</b> for 3 secs	Blinking <b>Red</b>
Volume Up	Press <b>UP</b> x 1	-
Volume Down	Press <b>DOWN</b> x 1	-
Pair Device To Phone	Press & Hold <b>UP + DOWN</b> for 3 secs	Blinking <b>Blue/Red</b> , blinking <b>Blue</b> when paired successfully
Reboot Device	Press & Hold <b>POWER + UP + DOWN</b>	-
Activate Google/Siri (M4)	Press <b>QUICK ACCESS</b> x 1	-
Activate Google/Siri (M6 & MI)	Press <b>QUICK ACCESS</b> x 2	-

# TABLE OF COMMAND

## (BUTTON COMMAND)



COMMAND	ACTION	LIGHT INDICATOR
<b>MUSIC STREAMING</b>		
Play	Press <b>POWER</b> x 2	-
Stop	Press <b>POWER</b> x 1	-
Fast forward track	Press <b>UP</b> x 2	-
Backtrack	Press <b>DOWN</b> x 2	-
<b>INTERCOM</b>		
Mesh Intercom Pairing	Press & Hold <b>QUICK ACCESS</b> for 5 secs All blinking <b>Purple</b> , tap <b>POWER</b> x 1 on 1 device	Blinking <b>Purple</b> ▼
Connect Intercom	Press & Hold <b>UP</b> for 2 secs	Blinking <b>Green</b>
Disconnect Intercom	Press & Hold <b>DOWN</b> for 2 secs	Blinking <b>Green</b>
Mute/Unmute Mics	Press <b>POWER</b> x 3	Blinking <b>Blue</b>
Join Call/GPS to Intercom	Accept Call/Start GPS,Press <b>POWER</b> x 2	-

# TECHNICAL DATA



UNIT	
Dimensions (L x W x H)	72mm x 44mm x 25mm (2.8in x 1.7in x 1in)
Weight	33g
AUDIO	
Frequency response	20Hz to 20kHz
Sampling rate	48kHz, 16 bit
SPL	105dB + 2dB
BLUETOOTH	
Version	V5.0 (BR/EDR/BLE), Class 1
Profiles	HSP; HFP; A2DP; AVRCP; GATT; Intercom

# TECHNICAL DATA



RADIO	
Carrier frequency	2.402 – 2.480 GHz
Range	Up to 1.2Km (.75 mile) per person under ideal conditions
POWER	
Power consumption	200mW (max)
Power input (charging)	5V / 450mA / 2.25W
Built-in battery	3.7V, 650mAh, Lithium-ion Polymer (Rechargeable)
Music/talk time	Up to 18 hours
Standby time	400 hours
TEMPERATURE	
Operation temperature	-29°C to 54C (-20F to 130F)
Charging temperature	0°C to +45°C (+32°F to +113°F)
Storage temperature	-40°C to +80°C (-38°F to +176°F)

## **BATTERY WARNING**

The UCLEAR™ helmet communicator contains a rechargeable lithium ion polymer battery. To reduce risks of fire or burns, do not disassemble, crush, puncture, short external contacts or dispose in fire or water.

## **CHARGING NOTICE:**

To reduce the risk of personal injury, electrical shock, fire or damage to equipments, please follow all the instructions below:

- Do not immerse the product, AC adaptor or speakers in water.
- Do not install, place or use the product near any source of heat for example: stove, radiator, oven, toaster, coffee maker or other apparatus that gives off heat.
- Always use the provided AC power adaptor and cable included in the package to charge the product. Use of any incorrect power supply to charge the product may cause permanent damage to the product and render the warranty void.

## **WARRANTY**

Without prejudice of legal warranty, the product is covered under a 2 year warranty (control units), and 1 year warranty (accessories) by manufacturer from the date of purchase. Please produce the proof of purchase when you return the item to the supplier.

The warranty covers material and manufacturing defects only. The warranty is voided by any unauthorized repairs, misuse, misapplication, tampering of the product, modifications, upgrading or results of any failures to follow the guidelines as set out in the product brochure or by any of the actions specified in this brochure or anywhere in our technical publishing released to the public from time to time which would have voided the warranty.

Warranty does not cover data recovery and physical deterioration due to use, damages resulting from accidents, storage, loss or data loss or damage during repairs or transits.

The sender will bear all transportation charges for functioning products but which were declared defective.

## **LIMITATIONS OF WARRANTY**

All product warranties for the product by UCLEAR™ are limited to those mentioned in the product manual.

## **WAIVER AND DISCLAIMER**

BITwave and all their representatives, agents, distributors, suppliers and resellers shall not be liable and will be held harmless from any and all litigation, claims, debts, demands, actions and liability which may arise, directly or indirectly, from operating or using the product for any damages, losses, distress, pain, suffering, discomfort, loss and injuries including bodily harm illness, strains, fractures, partial and/or total paralysis, death or other ailments that could cause serious disability either to any persons, or any parties whether the user or other third parties or their possessions, or to any goods, vehicles, properties, assets among others including your own suffered by any persons, organizations, or any third parties whether physical or otherwise and which may accrue to you in the future, to the fullest extent permitted by law as a result of the use, operation, malfunctioning, misuse, disposal or repairs of the product or any other reasons, conditions or circumstances or attempts to do so whether due negligence, omissions or otherwise of BITwave or any of their representatives, partners, agents, distributors, suppliers, resellers, designer, manufacturer or any others in its supply and distribution chain or any third parties involved.

## **WAIVER AND DISCLAIMER (CON'T)**

All risks from operating or usage of the product rest solely and entirely with the user of this product, the original purchaser or any third parties, who assumes full responsibility for all injuries, losses and/ or damages, whether caused in whole or in part by the negligence, omissions or other conduct of others, including that of BITwave and all their representatives, partners, agents, distributors, suppliers, resellers and all others in its supply and distribution chain either due to the designer's or manufacturer's negligence or omissions or any third parties involved.

Always comply with the local law and traffic regulations. Where use of the product is not permitted or allowed by any laws and regulations including the traffic laws of your country, we warn you not to go against such restrictions. You will bear the full responsibilities of any breaches of law and regulations.

You should not allow the operations or use of the product or any attempts to use it by any persons including yourself to compromise anyone's safety including your own or to cause harm to any vehicles, property, objects, livestock, inventories, assets and the like under any circumstances. You or any users of the product are to take all necessary safety measures and precautions and to remain alert to all surrounding conditions.

## **WAIVER AND DISCLAIMER (CON'T)**

You are warned not to operate the product if you are not physically capable of doing so in a safe manner, if you have or will consume any alcohol or any mind-altering substance during its operation so that your alertness is compromised or if you have any medical conditions or needs that may compromise your abilities to do so in a safe manner.

We warn you of the inherent, unforeseeable and unlimited risks and dangers in using the product while in traffic, including injury or illness, strains, fractures, partial and/or total paralysis, death or other ailments that could cause serious disability due to any causes.

This product is only for use by persons eighteen (18) years of age and above who have understood the warnings, risks and the terms of use.

You confirm that you have read this release of liability and fully understand its terms and that you have given up substantial rights by using or attempting to use the product.

## **CORRECT DISPOSAL OF THIS PRODUCT**

Do not dispose this product with other household wastes at the end of its working life. There is a separate collection system for used electronic products in accordance with legislation that requires proper treatment, recovery and recycling.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling. Business users should contact their suppliers and refer to the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.

## **PRODUCT INFORMATION**

BITwave and all their representatives, agents, distributors, suppliers or resellers shall not be held responsible for any consequences arising from any errors or omissions in the guide or resulting directly or indirectly from the use of the information herein. BITwave reserves the right to amend or improve the product design or user guide without any restrictions and without any obligation to notify users.

All information here is accurate as of the date of printing.

Please check for latest versions of the product, firmware and accessories at [www.ucleardigital.com](http://www.ucleardigital.com).

## **PERSONAL SAFETY**

Do not open the seal of the hardware, tamper, repair or modify any parts. Do not touch the product with metal objects or parts or chemical products. Violation of the above will lead to potential fire hazards and mishaps. Please contact the technical support or your local supplier if your product malfunctions.

## TECHNICAL SUPPORT (NORTH AMERICA)

For additional information please visit our website at:

[www.ucleardigital.com](http://www.ucleardigital.com)

For technical support please contact us at:

[support@ucleardigital.com](mailto:support@ucleardigital.com)

## TECHNICAL SUPPORT (EU)

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[www.uclear.eu](http://www.uclear.eu)

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[info@uclear.eu](mailto:info@uclear.eu)

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The Bluetooth™ trademark is owned by Bluetooth SIG and is used under license by BITwave Pte Ltd.

## **IC SAR STATEMENT**

This EUT is compliant with SAR for general population/uncontrolled exposure limits in IC RSS-102 and had been tested in accordance with the measurement methods and procedures specified in IEEE 1528 and IEC 62209. This equipment should be installed and operated with minimum distance 0 mm between the radiator and your head. This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

Cet appareil est conforme aux limites d'exposition DAS incontrôlée pour la population générale de la norme CNR-102 d'Industrie Canada et a été testé en conformité avec les méthodes de mesure et procédures spécifiées dans IEEE 1528 et IEC 62209. Cet équipement doit être installé et utilisé avec une distance minimale de 0 mm entre le radiateur et votre tête. Cet appareil et sa ou ses antennes ne doivent pas être co-localisés ou fonctionner en conjonction avec tout autre antenne ou transmetteur.

éité testé en conformité avec les méthodes de mesure et procédures spécifiées dans IEEE 1528 et IEC 62209. Cet équipement doit être installé et utilisé avec une distance minimale de 0 mm entre le radiateur et votre tête. Cet appareil et sa ou ses antennes ne doivent pas être co-localisés ou fonctionner en conjonction avec tout autre antenne ou transmetteur.

## **FCC/SAR COMPLIANCE STATEMENT**

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

## **FCC/SAR COMPLIANCE STATEMENT**

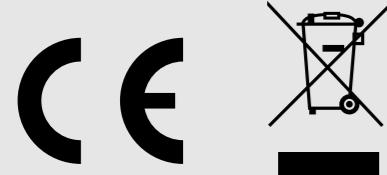
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End user must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. The portable device is designed to meet the requirements for exposure to radio waves established by the Federal Communications Commission (USA). These requirements set a SAR limit of 1.6 W/kg averaged over one gram of tissue. The highest SAR value reported under this standard during product certification for use when properly worn on the head is 0.383 W/kg.

modifications could void the user's authority to operate the equipment

Note: The manufacturer is not responsible for any radio or tv interference caused by unauthorized modifications to this equipment. Such

## **CE SAR COMPLIANCE STATEMENT**

This equipment complies with CE radiation exposure limits set forth for an uncontrolled environment. End user must follow the specific operating instructions for satisfying RF exposure compliance. These requirements set a SAR limit of 2.0 W/kg averaged over one gram of tissue. To meet the above requirement, the device should be placed at least 5mm away from human body in normal use condition.





# ***MOTICON***

S E R I E S

MADE IN SINGAPORE

POWERED BY:



**BITwave**  
PRIVATE Limited

11 Serangoon North Ave 5,  
#05-03,  
Singapore 554809