

BIONIC FUSE ION BLUETOOTH® ELECTRONIC EARMUFF

The **ULTRX™ Bionic Fuse Ion Bluetooth® Electronic Earmuff** is designed to offer the convenience of multiple mode options depending on the sound environment you desire:

Provides active external sound amplification through 2 hi-gain omni-directional microphones. These microphones are designed to boost external sound sensitivity up to 7x normal hearing while providing crisp, high-definition sound wave spectrum isolation to deliver hearing clarity. In this mode, any loud noises above 82dB will trigger both an immediate split-second dynamic sound wave compression AND immediate microphone shut down function protecting the user's ears from the harmful incoming high decibel sounds.

Allows the user to pair via Bluetooth® 5.3 technology to a smart device. This setting provides the ability to listen to various audio content sources via quad studio quality high-definition speakers while seamlessly alternating between **Bluetooth® Mode** and **Sound Amplification/Protection Mode**.

Turn on earmuffs by rotating the Power Wheel upward (Figure 1). A green light will indicate the unit is on. Place the earmuffs on your head and adjust using below **Instructions for Proper Fit**.

If you wish to operate in **Bluetooth® Mode**, pair earmuffs to your smart device using the **Bluetooth® Pairing Instructions** below. Once your device is paired, you will be able to listen to digital content, phone conversations, etc. Control volume level using the Power Wheel or with your smart device.

Once the earmuffs are stored in the devices list on your smart device, simply press and hold the Bluetooth® Button to reconnect/pair your device (Figure 1). With some devices, it is also possible to tap the device ID in the device list to reconnect/pair. Turn off earmuff when not in use to preserve battery. Turn off by rotating Power Wheel all the way down, until green light is off.

Press and hold the Bluetooth® Button for 3 seconds (Figure 1). The blue light will begin to intermittently flash while your smart device is trying to identify the earmuffs. You will also hear an audible chime through the headset alerting you that the earmuffs have entered pairing mode. The earmuffs will appear under the name "ULTRX-Fuse-1n" in the unconnected Bluetooth® devices list on your smart device (Figure 2). Choose the device labeled "ULTRX-Fuse-1n". You will hear one more chime after the earmuffs have been successfully connected to your device, and "ULTRX-Fuse-1n" will move up to your saved devices.

In Bluetooth® Mode, incoming phone calls will mute audio content and you will hear your phone's ringtone until the call has ended. To answer an incoming call, press the Bluetooth® Button once. Some smart devices will allow you to receive the call by EITHER pressing the Bluetooth® Button OR tapping your device screen. As devices vary, you will need to test to see which method works for you. To disconnect from a call, press the button once more. To reject a call and return to Bluetooth® audio, press and hold the Bluetooth® Button continuously for at least 3 seconds.

1. Reduce the headband size to the smallest setting and place earmuff on head.
2. Adjust for a custom fit by holding the outside of the ear cups and sliding them up or down the metal headband guides.
3. The ear cups should comfortably and completely surround your ear to give a proper acoustic seal.

Allen Company warrants this ULTRX™ product to be free of defects in materials and workmanship, under normal use and conditions for a period of one year from the date of original purchase. Under this warranty, this unit will be replaced or repaired at our option, without charge for parts or labor (excluding batteries) for this period.

- The unit is not owned by the original purchaser at the time of warranty claim
- The unit has been tampered with, opened or punctured
- The unit has been immersed in water or other liquids, allowed to be filled with dirt or dust, or otherwise physically abused

This shall be the exclusive written warranty of the original purchaser and neither this warranty or any other warranty, expressed or implied, shall extend beyond the 12-month period listed above. In no event shall Allen Company be liable for consequential damages, consequential property damage, or consequential personal injury. This warranty gives you specific legal rights, and you may have other rights, which vary from state-to-state.

Diagram illustrating the back of the Ultrax helmet, showing various ports and features:

- POWER WHEEL**: Located at the top right of the helmet.
- METAL HEADBAND GUIDES**: Located on the sides of the helmet, indicated by a vertical double-headed arrow.
- BLUETOOTH® BUTTON**: Located on the left side of the helmet.
- USB-C CHARGING PORT**: Located at the bottom left of the helmet.
- ULTRAX™**: The brand name is printed on the back of the helmet.

10:49

Settings Bluetooth®

Bluetooth®

CONNECTED DEVICES

MY DEVICES

Smart Watch	Not Connected	
ACLO51	Not Connected	
Uconnect-8b5f0a	Not Connected	

OTHER DEVICES

ACLO45	
ULTRX-Fuse-Ion	NOTE: ULTRX-FUSE-ION WILL MOVE TO "MY DEVICES" AFTER PAIRED
ACLPT0001	
Laptop	

+ PAIR NEW DEVICE

THE RANGE OF NOISE REDUCTION RATINGS
FOR EXISTING HEARING PROTECTORS IS
APPROXIMATELY 0 TO 30
(HIGHER NUMBERS DENOTE GREATER
EFFECTIVENESS)

Allen Company, Inc. Louisville, CO	MODEL NO. 4170, 4171
Federal law prohibits removal of this label prior to purchase	 LABEL REQUIRED BY U.S. EPA REGULATION 40 CFR Part 211, Subpart B

FREQUENCY	125	250	500	1000	2000	3150	4000	6300	8000
MEAN ATTENUATION	16.7	18.7	25.6	28.6	35.3	41.0	43.4	42.6	40.6
STANDARD DEVIATION	3.2	2.8	2.4	2.7	3.3	2.5	3.7	3.1	5.4

The level of noise entering a person's ear, when hearing protector is worn as directed, is closely approximated by the difference between the A-weighted environmental noise level and the NRR.

Example

- The environmental noise level as measured at the ear is 92 dBA.
- The NRR is 22 decibels [dB].
- The level of noise entering the ear is approximately equal to 70 dB(A).

Although hearing protectors can be recommended for protection against the harmful effects of impulsive noise, the Noise Reduction Rating (NRR) is based on the attenuation of continuous noise and may not be an accurate indicator of the protection attainable against impulsive noise such as gunfire. Constant or repetitive exposure to impulsive noise may lead to serious injury, temporary or permanent deafness.

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

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.

This device has been evaluated to meet general RF exposure requirement.
This device can be used in portable exposure condition without restriction.
FCC ID: 2AMBN-2242A

- Do not alter or modify any part of the hearing protector.
- Regularly inspect your hearing protector for any signs of wear and tear.
- Replace worn or damaged hearing protection parts or ear cushions immediately.
- Any obstruction between the ear cushion and the ear (such as spectacles, earrings, hair, etc.) can reduce the effectiveness of the earmuffs.
- Improper fit will reduce effectiveness and could result in hearing loss or injury.
- Never allow any liquid to enter the device as this may damage the components within.
- Do not store your device in any location which could expose it to excessive heat including direct sunlight, near car dashboard, heaters, radiators, etc.
- Be careful not to drop your device as this may damage components.
- Never insert any foreign objects into your device. This could result in serious damage to the unit.
- Never permit any solvents to come into contact with your device as this can damage the unit.

- Wipe ear cushions with damp cloth which may be treated with mild disinfectant. Do not immerse ear cushions in water.
- Spot clean other components only with mild soap or disinfectant in warm water. Do not submerge or immerse in water.
- Allow product to fully dry before use or storage.
- Store in dust proof container.

0 50 85 100 150 200

Daily exposure without hearing protection can cause slight hearing loss

Short or daily exposure without hearing protection can cause moderate to severe hearing loss

Brief exposure without hearing protection can cause permanent hearing loss: **HEARING PROTECTION REQUIRED**

LEARN MORE
ULTRX.COM

