

ULTR X™

BIONIC FUSE BLUETOOTH® ELECTRONIC EARMUFF

MODEL NUMBER: 4109, 4144, 4151

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

MODE 1: SOUND AMPLIFICATION/PROTECTION MODE

Provides active external sound amplification through 4 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.

MODE 2: BLUETOOTH® MODE

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**.

HOW TO OPERATE

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**.

At this point, you will notice the presence of external sounds via the external microphones: **Sound Amplification/Protection Mode**. In order to reduce or increase the level of those sounds, simply rotate the Power Wheel upward (increase) or downward (decrease) until reaching the desired external volume level.

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.

In **Bluetooth® Mode**, you will notice as you begin listening to audio content, the external microphones have quieted to enhance your listening experience. If you desire to exit **Bluetooth® Mode**, you have the option to pause/turn off/hang up/stop digital content on your smart device OR press and hold the Bluetooth® Button for 3 seconds. After any of these actions, the unit will enter back into **Sound Amplification/Protection Mode**.

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.

BLUETOOTH® PAIRING INSTRUCTIONS

Ensure earmuffs are in close proximity to your smart device. Turn on your smart device and navigate to the Bluetooth® devices screen (Figure 2).

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 "ULTR X" in the unconnected Bluetooth® devices list on your smart device (Figure 2). Choose the device labeled "ULTR X". You will hear one more chime after the earmuffs have been successfully connected to your device, and "ULTR X" will move up to your saved devices.

The next time you power up, press the Bluetooth® Button and your hearing protector will automatically connect to your device.

INCOMING CALLS

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.

CHARGING INSTRUCTIONS

Use the provided USB-C cable to charge. The USB-C Charging Port for this product is located on the underside of the earmuff cup (Figure 1). It is covered by a weatherproof rubber plug to help protect the internal electronics from dust and water invasion. To charge, remove the plug and insert the charging cable into the port. When charging, the Bluetooth® light will flash red indicating that the unit is charging. Charging times will vary depending on AC/DC power sources and ambient air temperature. Charging times for this unit using an AC power source can vary from 3-5 hours on average. After you are satisfied with charging, replace the rubber plug into the USB-C Charging Port.

INSTRUCTIONS FOR PROPER FIT

These ULTR X™ earmuffs come with independent ear cup adjustments on either side of the headband to provide comfort for the user. For maximum hearing protection, it is essential that your hearing protector be properly worn. For a fast and comfortable fit:

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.

ULTR X™ WARRANTY STATEMENT

Allen Company warrants this ULTR X™ 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.

This warranty is void if any of the following occur:

- 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.

FIGURE 1

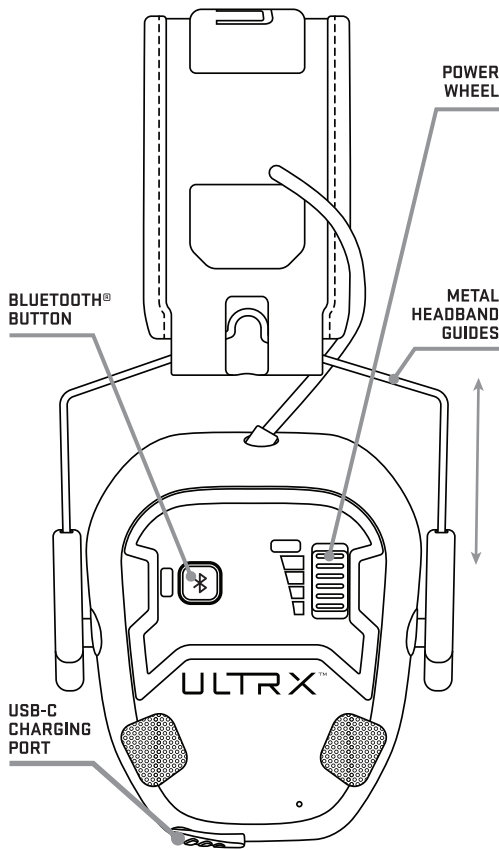
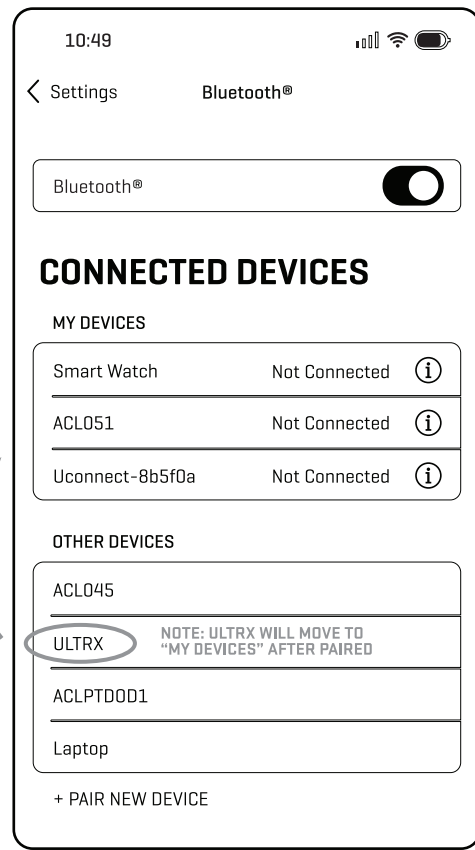


FIGURE 2



Noise Reduction Rating **22** DECIBELS (WHEN USED AS DIRECTED)

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. 4109, 4144, 4151

Federal law prohibits removal of this label prior to purchase EPA LABEL REQUIRED BY U.S. EPA REGULATION 40 CFR Part 211, Subpart B

ATTENUATION DATA (TESTED IN ACCORDANCE WITH ANSI S3.19-1974)

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

REGULATORY COMPLIANCE INFORMATION

The EPA has selected the Noise Reduction Rating (NRR) as the descriptor of hearing protector effectiveness to be utilized on the labels required by the U.S. EPA Regulation 40 CFR Part 211, Subpart B. The Allen Company, Inc. makes no warranties as to the suitability of the NRR as a measure of the actual protection to the individual user.

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).

CAUTION: For noise environments dominated by frequencies below 500 Hz the C-weighted environmental noise level should be used.

Improper fit of this device will reduce its effectiveness in attenuating noise. Consult **Instructions for Proper Fit**.

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.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

PRODUCT CARE AND MAINTENANCE

This ULTR X™ Hearing Protector is a quality instrument and should be treated as a precision-engineered device.

TO ASSURE PRODUCT PERFORMANCE:

- 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.

YOUR HEARING PROTECTOR SHOULD BE CLEANED AT REGULAR INTERVALS:

- 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.

BATTERY INFORMATION

SPECIFICATIONS:

Battery Model: AB/ S1
Battery Type: 1200mAh, 4.44Wh Lithium Battery
Voltage: 3.7V
Charges in 3-5 hours, MAX Runtime approximate 35 hours

SAFETY CONCERNS:

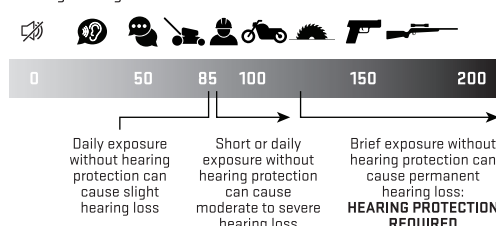
Not dangerous with normal use. Do not remove, open, or shred the battery components within. Ingredients can be harmful, causing injury including irritation and burns. Do not inhale or ingest. Avoid skin or eye contact.

STORAGE:

- If battery is in long term storage (more than 3 months), it is recommended to recharge the battery periodically.
- Long term storage: 14°F to 95°F (-10°C to 35°C)
- Keep out of reach of children.
- Do not expose the battery to heat or fire. Avoid storage in direct sunlight.
- Do not store near or with oxidizing and acidic materials.
- Recycle or dispose of in accordance with government, state, and local regulations.

HEARING PROTECTION SAFETY

Always wear hearing protection in noisy environments to avoid hearing damage.



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