

# Mercenary Lite Muff

HEARING PROTECTION WITH BLUETOOTH AUDIO



PLUG FONES



- ① Headband
- ② Slider
- ③ LED Indicator
- ④ Multi-Function Button
- ⑤ Microphone
- ⑦ USB-C Charging
- ⑥ 3.5mm AUX-in Socket

OSHA  
COMPLIANT  
VOLUME  
LIMITING



## DESCRIPTION

The Mercenary LT Hearing Protection Headset can provide protection in loud environments. It combines a modern comfortable design with high-fidelity sound quality. Equipped with Bluetooth Wireless Technology, it allows you to stream the entertainment of your choice from your smartphone or other mobile device, conveniently make and take phone calls, all while providing hearing protection in noisy environments. The low profile and lightweight design is crafted with style in mind. Built-in comfort features such as soft ear cushions and a hat-compatible headband are excellent for extended wear. Mercenary LT is excellent for all kinds of loud noise environments, making your workday comfortable, entertaining and most importantly safe.

## CAUTION

Failure to follow usage instructions may result in personal injury or significant impact on the headset's performance, such as increased interference or weak volume. Wearing a headset helps reduce the risk of exposure to loud environments, and any misuse or failure to wear the headset can lead to hearing impairment or loss. If you have any discomfort or infection in your ear, please consult a doctor before wearing the headset to avoid causing hearing impairment or loss. For proper use, see user instructions.

## SAFETY WHEN USING THIS PRODUCT

This has a built-in lithium-ion battery, please do not open, squeeze, or heat above 120°F (50°C) or incinerate. If there is any damage or malfunction of the headset or accessories, stop using it. Listening to music or audio communications using this product may reduce your situational awareness and ability to hear warning signs. Stay alert and adjust the volume to the lowest acceptable level. To ensure proper use and maintenance of hearing protection devices, check this device before each use. If damaged, choose undamaged hearing protection devices or avoid loud environments.

Do not over-bend or alter the headband, and ensure that there is enough clamp force to hold the earmuffs in place. Pads may age with use and should be replaced at least twice a year for consistent protection, hygiene, and comfort. Replaced at least twice a year for consistent protection, hygiene, and comfort. The output of this device may exceed the daily limit for sound level. Please adjust the audio volume to the lowest acceptable level.

## OPERATION INSTRUCTIONS

### Before Use

- Adjust the headband by extending both brackets so that the earmuffs cover your ears completely, then shrink the brackets so that the headband fits against your head.

### Power ON/OFF

- Long press [Multi-Function Button] 2 seconds to turn on the unit. You will hear "POWER ON" and will hear the battery level, such as "Battery Medium" or "Battery Low".
- Long press [Multi-Function Button] for 4 seconds to turn off the unit. You will hear "POWER OFF".

### Bluetooth Mode

- The unit will enter the Bluetooth pairing mode automatically, the indicator flashes red and blue, and you will hear "Bluetooth" Pairing On"
- The unit Bluetooth pairing name is Mercenary LT. You will hear "Bluetooth Connected" after Bluetooth connected successfully
- The unit will connect back the last device automatically
- Long press [Multi-Function Button] 7 seconds to clear the Bluetooth pair list.
- If there is no connection with a paired device. The unit will switch off after 5 mins.

### Bluetooth Operation

- Click [Multi-Function Button] to play/pause music.
- Click [Multi-Function Button] twice to skip forwards to the next title in the playlist.
- Click [Multi-Function Button] 3 times to skip forwards to the previous title in the playlist.
- Click [Multi-Function Button] to answer incoming calls.
- Long press [Multi-Function Button] to reject incoming calls.
- Click [Multi-Function Button] again to hang up the call.

### AUX Mode

- The unit will switch to AUX-in mode when you plug-in the 3.5mm audio cable
- Adjust the volume through external connected device.

### Charging

- Connect the USB-C interface through the charging cable for charging. When the headset is in the charging state, the indicator light is red; and when the headset is fully charged, the indicator will turn to blue.

\*Do not open the battery compartment or replace the battery by yourself.

## SPECIFICATIONS

Battery Capacity: 600 mAh  
Life time: 40 hours  
Charging Current: 500mA  
Operation Current: <15mA  
Operation Temperature: -5°F - 120°F  
Storage Temperature: -5°F - 120°F  
Charging Temperature: 30°F - 110°F

## AUDIO INPUT LEVEL

The audio level in the hearing protector is dependent on the audio input level. To prevent harmful noise levels, the hearing protector audio levels is limited to 82dB when Connected to Personal Music Player (PMP) If the hearing protector is connected to a PMP or other device with very high output level, it is the user's responsibility to set the audio input level to safe level. This product contains electrical and electronic components and must not be disposed of using standard garbage collection. Please consult your local electrical and electronic equipment disposal instructions.

## FCC WARNING

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.

## SAFETY STANDARDS

Mercenary LT headset is tested and certified according to the following standards:  
ANSI S3.19-1974, EN 352-1:2020, EN 352-6:2020  
Noise Reduction Rating: 27dB  
Mercenary LT Attenuation data, American National Standards Institute specifications: ANSI S3.19-1974

TEST FREQ.(Hz)	125	250	500	1000	2000	3150	4000	6300	8000	NRR
MEAN ATTENUATION(dB)	22.4	25.8	33.6	32.9	32.3	40.0	44.6	44.9	44.0	27
STANDARD DEVIATION(dB)	2.5	2.5	2.4	2.7	2.5	3.0	2.7	1.8	2.7	

## PRODUCT INFORMATION

- For the best protection, ear cushion sealing ring should seal firmly against head. Anything that interferes with the seal such as long hair (pult back to the extent possible, thick or poorly fitting eyeglass temples, pencils or caps will lessen the protection.
- Earmuffs must be regularly inspected for cracks or worm parts and replaced as needed. Typical life for foam cushion sealing rings is 12 months
- Clean the exterior of the hearing protector regularly with soap and warm water. Do not immerse the whole headset in water.
- Do not store the hearing protector behind a windshield or at temperatures above 130°F (55°C).
- Certain chemical substances may damage this product. Contact the manufacturer for more information.

## EN 352 SAFETY INFORMATION

The output of the level-dependent circuit of the hearing protector may exceed the external sound level. Installing the sanitary cover on the cushion may affect the acoustic performance of the earmuffs. Performance will decrease with battery consumption. The expected continuous use time of the battery is approximately 8-13 hours. May be adversely affected by certain chemicals. More information can be obtained from the manufacturer.

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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 0cm between the radiator and your body.

## WARRANTY

The Mercenary LT ear muff is warranted to be free of defects in material and workmanship for a period of 1 year from the date of original purchase. The warranty is nullified in- all of the following situations: 1. The product(s) is/are broken down, reconstructed and/or modified by unauthorized parties, 2. The product(s) is/are damaged through improper use. 3. The product(s) is damaged by leakage of batteries.

Note: The Grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. such modifications could void the user's authority to operate the equipment. The device has been evaluated to meet general RF exposure requirements. The device can be used in portable exposure conditions without restriction.

**Model:** Mercenary Lite Muff

**SKU:** ABTM-OB-C30

**FCC ID:** 22AJDL-MERCENARYLITE