

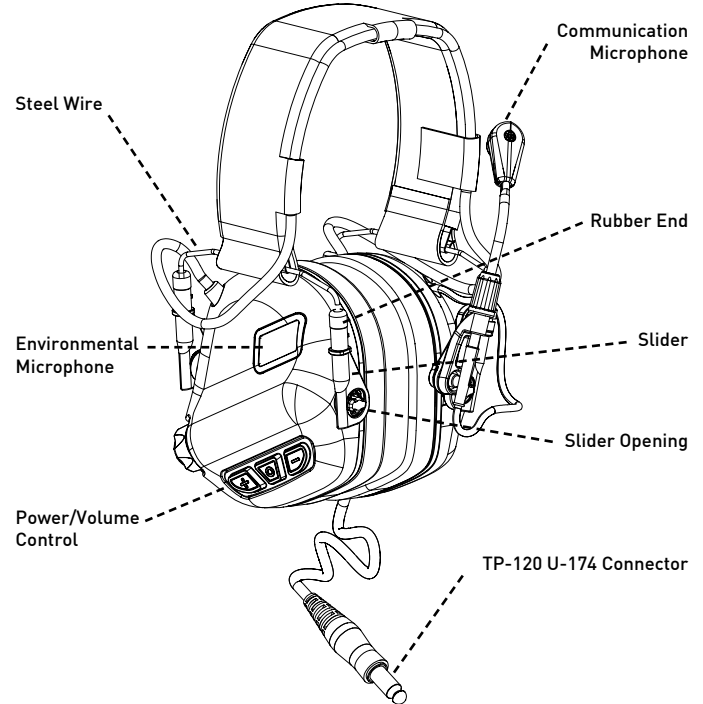


M32
PLUS

Usermanual

Congratulations and thanks for your choosing EARMOR®
EARMOR® Hearing Protectors designed to protect users from harmful noise.

FEATURES



APPROVALS

EARMOR® M32 Plus Headset are tested and certified according to the following standards:
ANSI S3.19-1974
EN 352-1: 2020 / EN 352-4: 2020 / EN 352-6: 2020 / EN 352-8: 2020

Noise Reduction Rating: 22 dB

EARMOR® M32 Plus Headset 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)	17.7	19.1	24.7	29.6	30.1	37.6	40.0	41.7	40.5	22
STANDARD DEVEATION(DB)	3.1	1.9	2.3	2.3	2.2	3.2	3.4	2.7	3.1	

Single Nंबर Rating: 29dB

EARMOR® M32 Plus Headset Appendix A Attenuation Data Individual and Summary Attenuation Data for Hearing Protective Devices EN352-1:2020 | SNR^o=30.3 / SNRⁱ=1.2 / SNR(dB)=29

SUBJECT	63	125	250	500	1000	2000	4000	8000	SNR(dB)
MEANS	20.5	16.4	21.5	25.4	29.7	30.2	41.6	41.3	29
STD.DEV	3.6	2.8	2.6	1.9	2.2	2.5	3.0	3.0	
MEAN-SD	16.9	13.6	18.9	23.5	27.5	27.7	38.6	37.9	

DESCRIPTION

The EARMOR M32 is an electronically amplified noise-canceling headset designed for special missions with communication capabilities. In various extreme environments, the headset can amplify subtle environmental sounds and accurately track human voices, providing users with outstanding sound reproduction and optimization. Especially in high-noise environments such as artillery fire and gunshots, which exceed 82dB of dangerous noise, it can effectively isolate and protect the user's hearing while enhancing the clarity of conversations and awareness of the surrounding environment. M32 utilizes advanced acoustic technology to effectively reduce ambient noise. With five-level volume adjustment, it can meet the demands of various users. Even in the powered-off state, the headset can enter the maximum hearing protection mode to protect your hearing. Moreover, featuring a foldable headband, it is convenient for storage and suitable for players with different needs, whether for outdoor or indoor shooting ranges. Powered by 2 AAA batteries, the battery life can reach up to 200 hours, and replacement is easy. The newly added quick-detach function allows seamless accessory switching even in hazardous environments. EARMOR M32 not only provides users with outstanding hearing protection but also ensures clear and stable communication capabilities, making it an ideal choice for carrying out special missions.

INFORMATIONS

For the best protection, ear cushion sealing ring should seal firmly against head, Anything that interferes with the seal --- such as long hair(pull 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 worn 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 131°F(55°C).
- Certain chemical substances may damage this product. Contact the manufacturer for more information.
- The product is suitable for transport in original packaging.
- The earmuffs passes small, medium and large size ranges, compliant to EN 352- 1:2020.

CAUTION

Failure to follow usage instructions may result in personal injury or significant impact on the headset's performance, such as increased interference or weakened volume. In such cases, the batteries should be replaced promptly. Wearing a headset helps reduce the risk of exposure to noisy 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 relevant doctor before wearing the headset to avoid causing hearing impairment or loss.

For proper use, see user instructions or contact EARMOR® customer service Email: cs@earmor.com

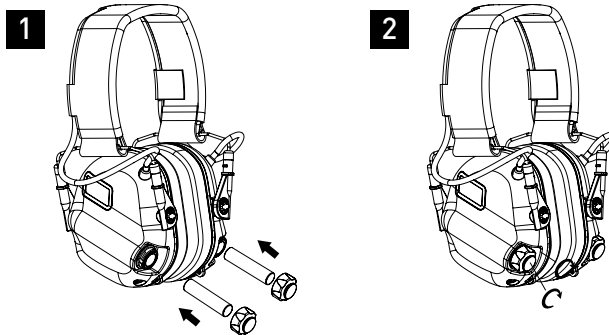
TO REDUCE THE SAFETY RISK WHEN USING THE PRODUCT

- Only use the specified type of battery provided by OPSMEN.
- If the headset is not to be used for a long time, please remove the batteries to prevent leakage that may damage the headset or cause personal injury.
- If the microphone or any accessory is damaged or malfunctioning, please cease usage immediately.
- Contact OPSMEN official after-sales mailbox cs@earmor.com for maintenance service.

OPERATING INSTRUCTIONS

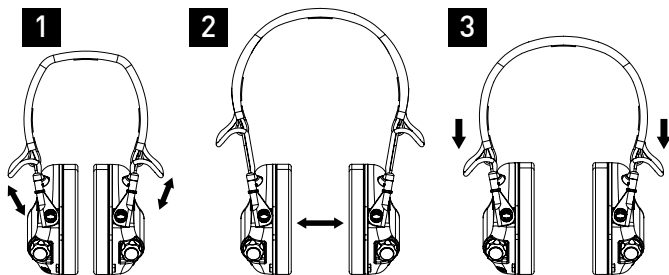
1. Battery Installation

Twist counterclockwise to open the battery cover and insert AAA batteries, then twist clockwise to securely close the battery cover.



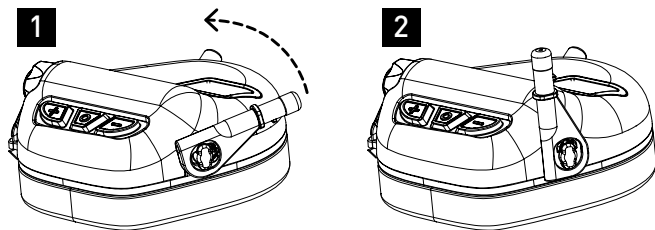
2. Adjusting the Headband

Slide out the earcups to ensure the earcups fully cover the ears, then adjust the height of the cups by sliding them up or down while holding the headband in place. Ensure the ear fits within the ear cushion.

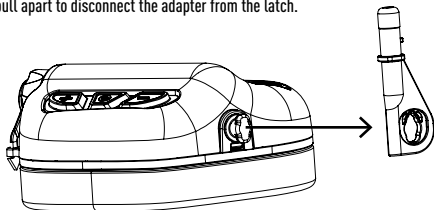


3. Quick Release for Headband Adapter

Step 1. Rotate the plastic slider of adapter perpendicular to the earcups.

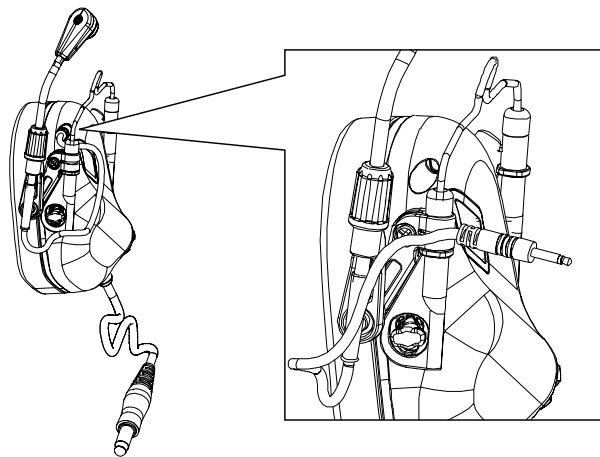


Step 2. Gently pull apart to disconnect the adapter from the latch.

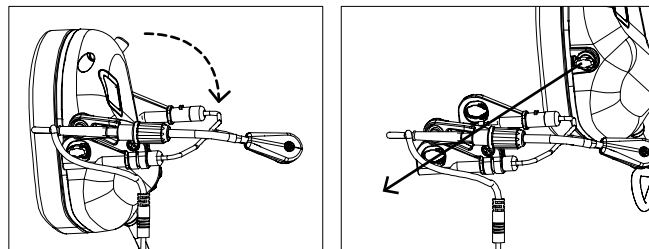


4. Microphone Replacement

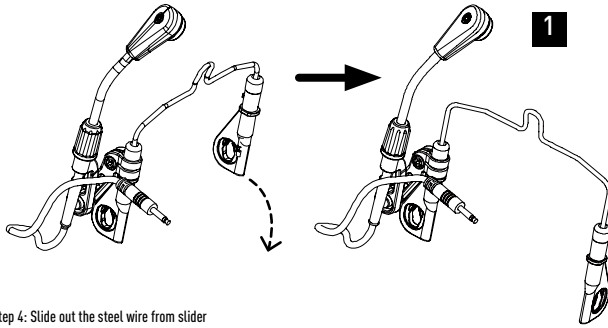
Step 1: Pull out the microphone plug



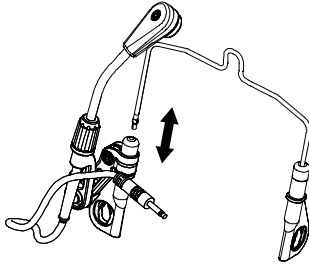
Step 2: Rotate the slider perpendicular to the earcups as illustrated. Press thumb against the junction of slider and earcup, and pull outwards with force to separate.



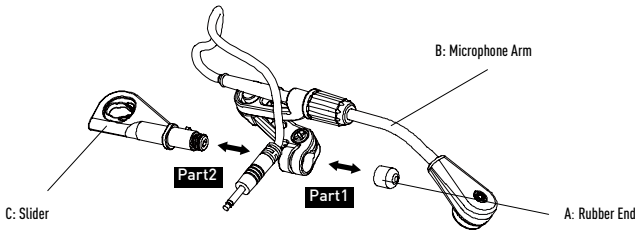
Step 3: Rotate the adapter to the angle shown in Figure 1.



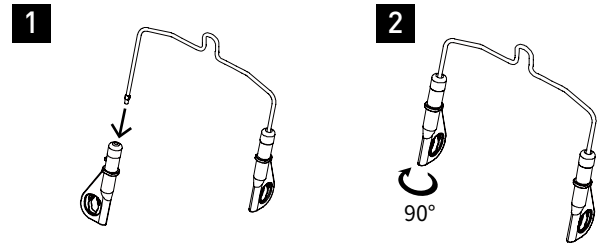
Step 4: Slide out the steel wire from slider



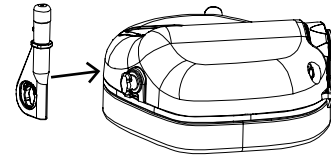
Step 5: Pinch the rubber end and pull it outwards, and then detach the microphone arm from slider.



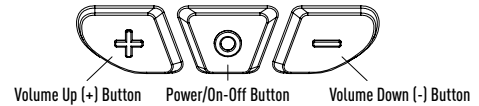
Step 6: Put the rubber end back onto the top of the slider, and then insert the steel wire.



Step 7: Align the Slider Opening with the groove on the earcups, and press it forcibly to clicks into place.



Button Operations:



Operation List:

Action	Button	Headset Status	Sound Prompt
Power On	Press and hold the Power Button for 2 seconds	Off State	"Power On"
Power Off	Press and hold the Power Button for 2 seconds	On State	"Power Off"
Volume Adjustment	Click Volume+/- Button	On State	Five volume levels available. If at the maximum/minimum level, sound prompts "DeDe" (max volume)/ "DuDu" (min volume)
Auto-off after 4 hours	Auto power-off after 4 hours without any operations	Standby State	
Low Battery Alert	Battery voltage at 2.55V signals a low battery alert	On State	"Battery Low"
Low Battery Shutdown	Battery voltage below 2.45V triggers auto shutdown	On State	"Power Off"

Product Specifications	Model/Specification	Parameter
Pick-up Characteristics	Activation Noise Reduction Level	82db
	Noise Reduction Value	22dB
	Microphone Sensitivity	-42dB±2dB
	Pick-up Pattern	Omnidirectional
Speaker and Microphone Components	Speaker	Dynamic Coil
	Speaker Impedance	32 OHM
	Speaker Size	30mm
	Speaker Rated Power	≈ 30mW
	Speaker Frequency Response Range	20Hz-20KHz
	Audio Plug	7.0mm
Operating Time	Duration	60 hours
	Working Temperature Range	-20-60°C
	Storage Temperature Range	-40-70°C (Use after returning to operational temperature)
Power Source	2 x AAA Batteries	
Materials	ABS+POM+Metal	
Connector	U174/u	
Compatibility	Compatible with various NATO standard communication models	
Net Weight	295g±10g	

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.

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.

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.

To maintain compliance with FCC's RF exposure guidelines, the distance must be at least 20 cm between the radiator and your body, and fully supported by the operating and installation configurations of the transmitter and its antenna(s).

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 level is limited to 82dB when connected to a 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 a safe level.

WARRANTY

EARMOR® M32 Plus 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/are damaged by leakage of batteries.

 2797	Mandatory conformity marking. CE mark below by Notified Body Number, The various components of the CE marking must have the same vertical dimension, and may not be smaller than 5 mm.
M32 Plus	Model Name/Number.
EN 352	EN 352-1, Hearing protectors - General requirements - Part 1: Ear muffs EN 352-4, Hearing protectors - Safety requirements - Part 4: Level-dependent ear muffs EN 352-6, Hearing protectors - Safety requirements - Part 6: Ear muffs with safety-related audio input EN 352-8, Hearing protectors - Safety requirements - Part 8: Entertainment audio ear muffs
	Manufacturer's logo
	This product contains electrical and electronic components and must not be disposed of using standard refuse collection. Please consult local directives for disposal of electrical and electronic equipment.



CONTACT

For the latest information on EARMOR® products and services

Please contact a local distributor or email:

info@earmor.com / cs@earmor.com

EARMOR® official website: <http://www.earmor.com/>

shall prevail in case of any product data changes.

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