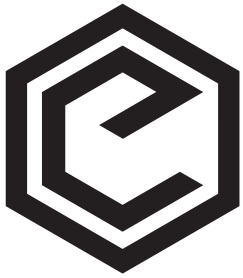


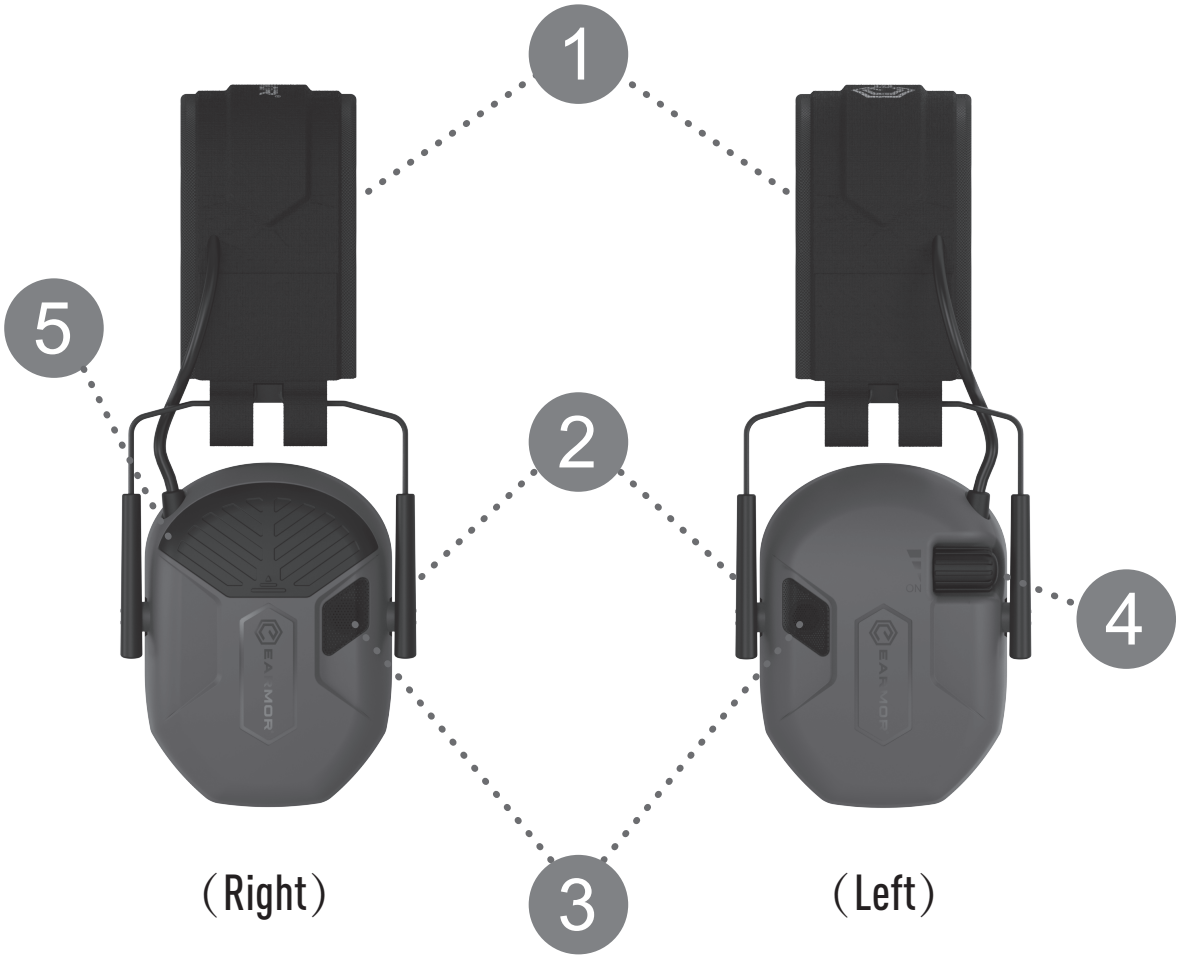
EARMOR®

M300A /M300T

ELECTRONIC HEARING PROTECTOR

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

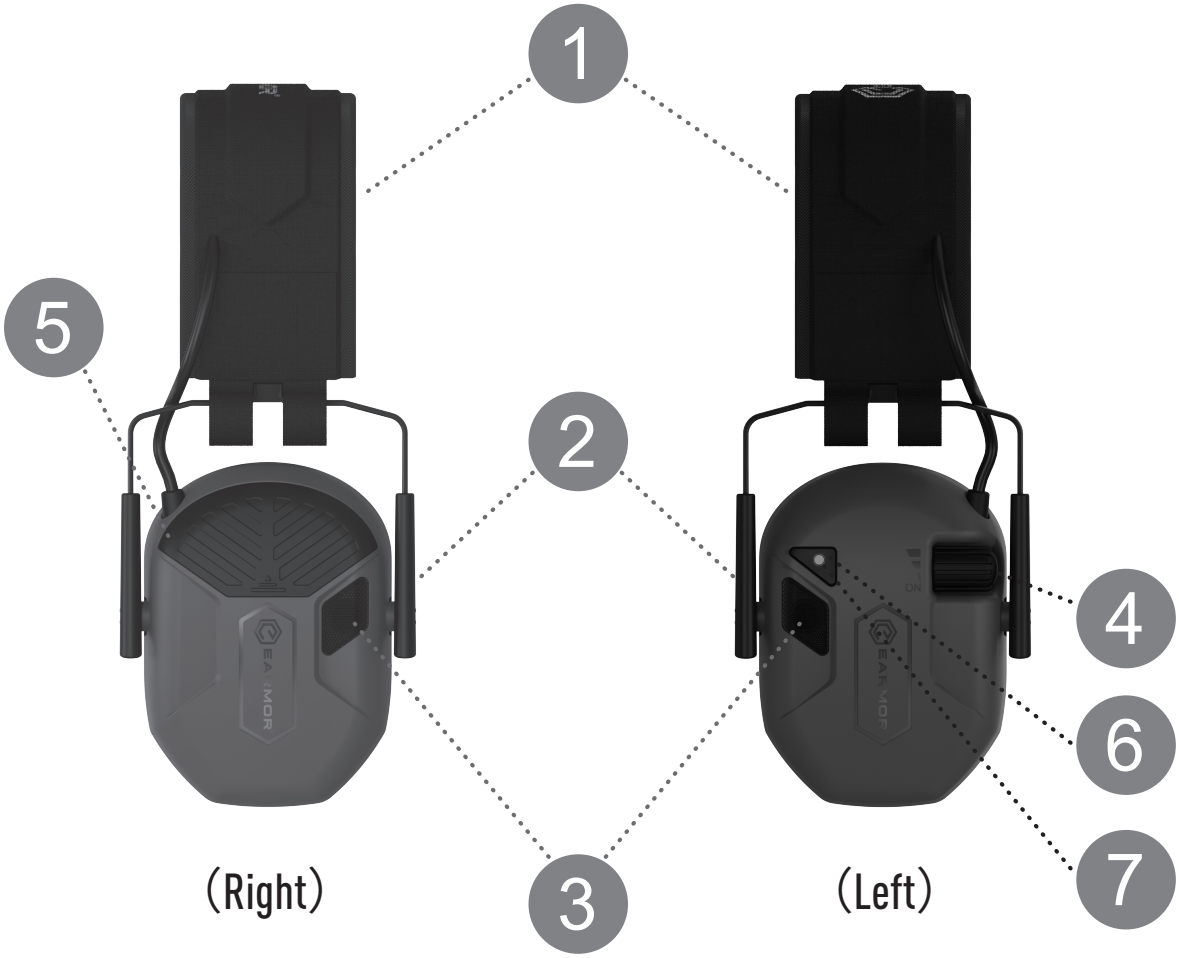
M300A



① Headband
② Bracket
③ Pickup Microphone
④ Rotary control switch and volume
⑤ Battery door cover

Material of headand and ear cushion :
Headband:Steel Ear cushion:Sponge

M300T



① Headband

② Bracket

③ Pickup Microphone

④ Rotary control switch and volume

⑤ Battery door cover

⑥ Multi-function button (MFB)

⑦ LED indicator

Material of headand and ear cushion :
Headband:Steel Ear cushion:Gel

Description

EARMOR® M300A & M300T is noise-canceling headset designed to provide users with safe and reliable hearing protection. With professional noise-canceling circuitry and situational awareness, it effectively protect your hearing from noises especially gunshots and optimizes the ambient sounds around you clearly, allowing you to maintain good and clear communication. M300T featured Bluetooth 5.4 technology, allows you freely listen to music and answer/reject calls even in a noise-canceling mode.

Safety information

Please read, understand, and follow all safety information in these instructions prior to using the communication headset.Retain these instructions for future reference.

Important user information

Recommendation that the user should ensure that:
1) the earmuffs are fitted, adjusted and maintained in accordance with the manufacturer's instructions;
2) the earmuffs are worn at all times in noisy surroundings;
3) the earmuffs are regularly inspected for serviceability;
Note: if the recommendations given are not adhered to, the protection afforded by the earmuffs will be severely impaired;
Operating and storage temperature
Operating temperature: -20°C to +60°C
Storage temperature: -40°C to +70°C
NOTE: Do not store the hearing protector behind a windshield or at temperatures above +70°C
Weight of hearing protector:370±10g

Transport information

The product is suitable for transport in original packaging.

Size range: S, M, L

Adjustability							
Height H(mm)	H115	H115	H130	H130	H130	H140	H140
width W(mm)	W125	W145	W125	W145	W155	W145	W155
Size	S	S/M	S/M	S/M/L	M/L	M/L	L
M indicates earmuffs of 'medium' size range. S indicates earmuffs of 'small' size range. L indicates earmuffs of 'large' size range.							

NOTE： These earmuffs complying with EN 352-1 are of'medium size range'、 'small size range' or 'large size range'.'Medium size range' earmuffs will fit the majority of users. 'Small size range' or 'large size range' earmuffs are designed to fit users for whom 'medium size range' earmuffs are not suitable.

Cleaning and maintenance

Use a wet cloth with soap and warm water to clean the outer shells， headband and ear cushions.

NOTE:

Do NOT immerse the hearing protector in water. Certain chemical substances may damage this product. Contact the manufacturer for more information.

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.

The ear cushions and foam liners may deteriorate with use and should be examined at regular intervals for cracking and leakage. Typical life for foam cushion sealing rings is 12 months.lf an ear cushion is damaged,it should be replaced. See Spare Parts Section below.

Removing and replacing the ear cushions

1) To remove the ear cushion, slide your fingers under the edge of the ear cushion and firmly pull straight out.
2) Insert the foam liner.
3) Then, fit one side of the ear cushion into the groove of the ear cup and then press onthe opposite side until ear cushion snaps in place.

Spare parts and accessories

Ear cushions: H0101010014 / H0101020004
Foam liners: F0110010004 / F0110010005

WARNING

1) To reduce the risks associated with harmful noise or chemicals: lf instructions are not followed, bodily injury may result or protection may be severely affected;
2) When interference increases or the sound level becomes too weak, it is time to replace the batteries;
3) These hearing protectors help reduce exposure to hazardous noise and other loud sounds.Misuse or failure to wear hearing protectors at all times when you are exposed to noise may result in hearing loss or injury;
4) lf there is any drainage from your ear or if you have an ear infection, consult with your physician before wearing hearing protection. Failure to do so may result in hearing loss or injury;
5) The product may be adversely affected by certain chemical substances. Refer to the manufacturer for further information.";
6) Earmuffs, and in particular cushions, may deteriorate with use and should be examined at frequent intervals for cracking and leakage.
7) Fitting of hygiene covers to the cushions may affect the acoustic performance of the earmuffs;
8) The earmuff is provided with level-dependent attenuation, safety-related audio input.Please check correct operation before use.lf distortion or failure is detected, please refer to the manufacturer's advice for maintenance.

9) Please note that the performance may deteriorate with battery usage and the typical period of continuous use that can be expected from the earmuff batteries, when fully charged.Please ref. Replacing The Battery
10) The product shall not be used if it can't be ensured that the input voltage doesn't exceed the maximum value stated in APPROVALS EN352-8:2020 table 1 For proper use, see user instructions or contact EARMOR Technical Service via Email:cs@earmor.com

To reduce the safety risk when Using the product

- 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.

OPERATION INSTRUCTIONS

Power ON/OFF

Power on: Turn [Rotary control switch and volume] (④) up
(you will hear and feel a physical click)
Power off: Turn [Rotary control switch and volume] (④) all the way down
(you will hear and feel a physical click)

Ambient listening operation：

Aware volume up: turn [Rotary control switch and volume] (④) up
Aware volume down: turn [Rotary control switch and volume] (④) down

The following features are exclusive to the M300T model.

Ambient listening mode：

Press and hold [MFB](⑥) for 2 seconds to switch the ambient listening modes. When cycling to the next mode, the device will play voice prompt saying the mode name.

- Ambient mode： Capture subtle ambient sounds, allowing you to keenly perceive your surroundings.
- Clear voice： Accurately capture voices for seamless communication.
- Focus mode： Clearly capture the sound of bullets hitting targets, allowing you to stay focused and immersed in the shooting environment.

Bluetooth Mode

- Click [MFB](⑥) to enter the Bluetooth pairing mode, the indicator flashes blue, and you will hear "Pairing".
- The unit Bluetooth pairing name is EARMOR M300T.
- You will hear"Connected" after Bluetooth connected successfully.
- The unit will connect back the last device automatically.
- Click the [MFB](⑥) 5 times to clear the Bluetooth pair list.
- If no connection with a paired device. The unit will switch off after 4 hours.

Music operation

Play/pause： Click [MFB](⑥)
Next track： Click [MFB](⑥) twice
Previous track： Click [MFB](⑥) three times

Phone calls operation

Answer call： Click [MFB](⑥)
End call： Click [MFB](⑥)
Rejcet call： press and hold [MFB](⑥) for 2 seconds

Replacing The Battery

The voice prompts "Low battery", please slide the[Battery door cover](⑤) and replace with two new Size AAA Alkaline batteries. Note the direction of the positive (+)and negative(-)polls.

SPECIFICATIONS

Battery	2*AAA
Bluetooth version	V5.4 (M300T)
Sound Pickup Characteristics	Omnidirectional
Speaker Size	30mm
Operating Temperature Range	-20~60℃
Storage Temperature Range	-40~70℃ (use after returning to operating temperature)
Weight	370g±10g

APPROVALS

OPSMEN TECH CO., LTD. declares that the PPE type headset is in compliance with Regulation (EU) 2016/425, Regulation(EC) No 765/2008 and other appropriate directives to fulfill the requirements for the CE marking.

The applicable legislation can be determined by reviewing the Declaration of Conformity (DoC) at https://www.earmor.com/category/certificates/.

These PPE products are followed the conformity assessment procedures as EU type-examination (module B) and conformity to type based on quality assurance of the production process (module D). they are audited annually and type approved by BSI Group The Netherlands B.V., Notified Body No.2797, the address is Say Building, John M. Keynesplein 9, 1066 EP Amsterdam, Netherlands.

EARMOR® M300A/M300T Attenuation data, American National Standards Institute specifications: ANSI S3.19-1974

TEST FREQ.(Hz)	125	250	500	1000	2000	3150	4000	6300	8000	NRR(dB)
MEANS	16.3	19.5	25.6	27.3	35.3	40.4	42.9	42.6	41.8	22
STD.DEV	3.9	2.3	2.7	2.5	2.3	3.5	3.5	4.1	4.0	

EARMOR® M300A have been tested and approved in accordance with EN 352-1:2020 / EN 352-4:2020

EARMOR® M300T have been tested and approved in accordance with EN 352-1:2020 / EN 352-4:2020 / EN 352-6:2020 / EN 352-8:2020

EN352-1:2020

M300A/M300T Summary Attenuation Date for Hearing Protective Devices EN352-1:2020

TEST FREQ.(Hz)	63	125	250	500	1000	2000	4000	8000	SNR(dB)
MEANS	16.8	17.6	21.8	26.5	28.3	35.9	39.1	39.6	29
STD.DEV	3.3	3.7	2.7	2.6	2.5	3.4	3.5	3.2	
MEAN-SD	13.5	13.9	19.1	23.9	25.8	32.5	35.6	36.4	

H84(dB) = 32dB
M84(dB) = 26dB
L84(dB) = 21dB

Hm = 34.7
Mm = 28.1
Lm = 23.4

Hs = 2.3
Ms = 1.8
Ls = 2.3

SNRm = 31.0
SNRs = 1.8

TEST FREQ.(Hz): Test frequency
MEANS and STD.DEV.: Mean value and standard deviation at each test frequency
MEAN-SD: APV-value at each test frequency in accordance with EN ISO 4869-2:2018 with the parameter α = 1
H-, M- and L-: Values in accordance with EN ISO 4869-2:2018 with the parameter α = 1
SNR: SNR-value in accordance with EN ISO 4869-2:2018 with the parameter α = 1
Hm, Mm and Lm/Hs, Ms and Ls: The mean values Hm, Mm and Lm calculated in accordance with EN ISO 4869-2:2018 and the corresponding standard deviations Hs, Ms and Ls
SNRm, SNRs: The mean value SNRm calculated in accordance with EN ISO 4869-2:2018 and the corresponding standard deviation SNRs.

EN 352-4:2020

Table 1.EN352-4:2020 results for Test ID Q8918A

L-CRITERION	M-CRITERION	H-CRITERION
Not Applicable	107.5 dBA	＞116.9 dBA*
Minimum Impulse noise	Minimum Impulse noise	Minimum Impulse noise
85 dBA-NA	85 dBA-PASS	85 dBA-PASS
Minimum Non Impulse noise	Minimum Non Impulse noise	Minimum Non Impulse noise
94 dBA-NA	96 dBA-PASS	97 dBA-PASS

STATEMENT:
1) The earmuff is provided with level-dependent attenuation. The user should check correct operation before use. If distortion or failure is detected, the user should refer to the manufacturer's advice for maintenance.
2) Please note that the performance may deteriorate with battery usage and the typical period of continuous use that can be expected from the earmuff batteries, when fully charged. please change the battery regularly. Please ref.Replacing The Battery.

EN 352-6:2020

Table 1. Maximum output level at -14 dB FS

Standard	DFE stereo profile	DFE hands free mode
EN352-6:2020	71.7 dBA	76.6 dBA

STATEMENT:
1) The earmuff is provided with safety-related audio input. The user should check correct operation before use. If distortion or failure is detected, the user should refer to the manufacturer's advice for maintenance.
NOTE: Further guidance on how to use the information in above table can be
found in EN 458:2016, 6.2.3.5 and Annex E.

EN 352-8:2020

Table 1. Maximum Bluetooth output level at -10 dB FS

Standard	DFE stereo profile	DFE hands-free profile
EN352-8:2020	74.5 dBA	70.4 dBA

WARNING:
The product shall not be used if it can't be ensured that the input voltage doesn't exceed the maximum value stated in table 1
STATEMENT:
The audibility of warning signals at a specific workplace may be impaired while using the entertainment facility.

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 requirement.
The device can be used in portable exposure condition without restriction.

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 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® M300A/M300T 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.

Production date: see the packaging

FC	Federal Communications Commission		
CE 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.		
M300A	Model Name/Number.		
EN 352	EN 352-1, Hearing protectors — General requirements — Part 1: Earmuffs EN 352-4, Hearing protectors - Safety requirements - Part 4: Level-dependent earmuffs		
M300T	Model Name/Number.		
EN 352	EN 352-1, Hearing protectors — General requirements — Part 1: Earmuffs EN 352-4, Hearing protectors - Safety requirements - Part 4: Level-dependent earmuffs EN 352-6. Hearing protectors - Safety requirements - Part 6: Earmuffs with safety-relatedaudio input EN 352-8, Hearing protectors-Safety requirements - Part 8: Entertainment audio earmuffs		
EARMOR	Manufacturer's logo	03/2024	Date of manufacturer

CE 2797

EN352-1、EN352-4
Input voltage： 2.5-3.2V

M300A
SNR:29dB
NRR:22dB

EARMOR®

03/2024

CE 2797

EN352-1、EN352-4、EN352-6、EN352-8
FCC ID:2A4IK-M300T
Input voltage： 2.5-3.2V

M300T
SNR:29dB
NRR:22dB

EARMOR®

03/2024

EARMOR®

CE 2797

EN352

FC

RoHS

Bluetooth®

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