

EARMOR®



MARK3

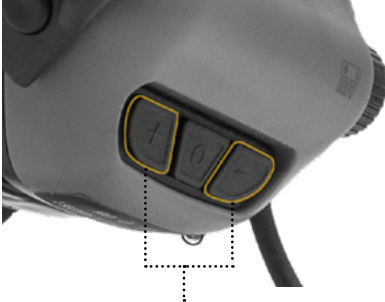
MilPro Tactical Communication & Hearing Protection Headset

OPSMEN Tech Co.,Ltd.

MARK3 MilPro is a new model of headset that can protect hearing and improve situational awareness and communication in noisy environments. With more advanced functions and levels, it can be adapted to different scenarios for environmental listening. In addition, a replaceable bracket is designed to be installed on the helmet rail for the convenience of users. M32 Mark3 has an adjustable angle microphone and a Nexus TP120 Kevlar communication wire, it can be connected to communication equipment through the EARMOR M51/ 52 PTT (or NATO standard military-standard PTT) to complete the function of transmitting information. M31 Mark3 comes with 3.5mm AUX audio input cable for media devices.



5 Task modes can be switched



Press the volume “+” and “-” buttons to switch between five mission scene modes:

3. Conversation

Restore the real environmental sound, completely simulate the normal hearing of human



1. Quiet Mode

In a high-noise environment, it can automatically shield outside sounds and use radio to communicate



4. Patrol mode

Amplify the ambient sound appropriately to more clearly perceive the surrounding environmental sound



2. Comfort mode

Suitable for in-car or indoor noisy environment, long release time to prevent echo damage



5. Observing mode

Maximum amplification of the surrounding environment sound to enhance hearing acuity and make it easier to hear subtle sounds



Modular design

The fast-switchable headset holder is easy to operate without special tools. It can switch between different suspension systems such as headband, helmet holder, and neck holder according to different tasks.



Super Fast Attack Time



When wearing headsets, you can feel the fast attack wave (such as when the gun is firing). The super fast attack time is less than 1 ms, which can instantly suppress the ambient sound and protect the user's hearing from damage.

External Communications & Detachable Mic



The M32 MARK3 can be easily connected to the PTT of the TP-120 through the military-standard 4-pin U174 plug and then communicate with the radio. The detachable microphone design allows both left and right-handed people to use it, and the windproof design allows users to maintain communication in windy environments. The microphone positioning slot can adjust the microphone to the best use position from multiple angles.

EMI/RFI Shielding & Clear voice tracking

The M32 MK III has a built-in EMI filtering system that can effectively suppress electromagnetic waves generated by other devices in the environment, ensuring that the headset can operate normally under any circumstances. Clear voice tracking technology improves the recognition of the voice in the environment, which can optimize the vocal dialogue in the environment and make the voice clearer.

360° Situational Awareness

Environmental awareness is particularly important for hazardous jobs such as pilots, soldiers, and police. High-Fidelity full degree Situational Awareness (HFSA) technology provides 360° situational awareness provided by two microphones provides front and back audio detection, enhancing heightened awareness of ambient environment, helps recognizing and dealing with unsafe conditions before they become an issue.



Silicone Gel Ear Pads

For users to have a better experience, the military and police version of the silicone ear pads can be comfortably worn for a long time.



M62 modular headband

M62 is a tactical headband with a modular design, which can be adapted to different tasks, easy to replace or clean at any time. It is light and tightly attached to the inside of the helmet, and the surface of the Velcro can be affixed with marker and survival lights.



Hard Storage Travel Case

Size: 5"H x 7" L x 1.5"W

Weight: 210g

Material: EVA



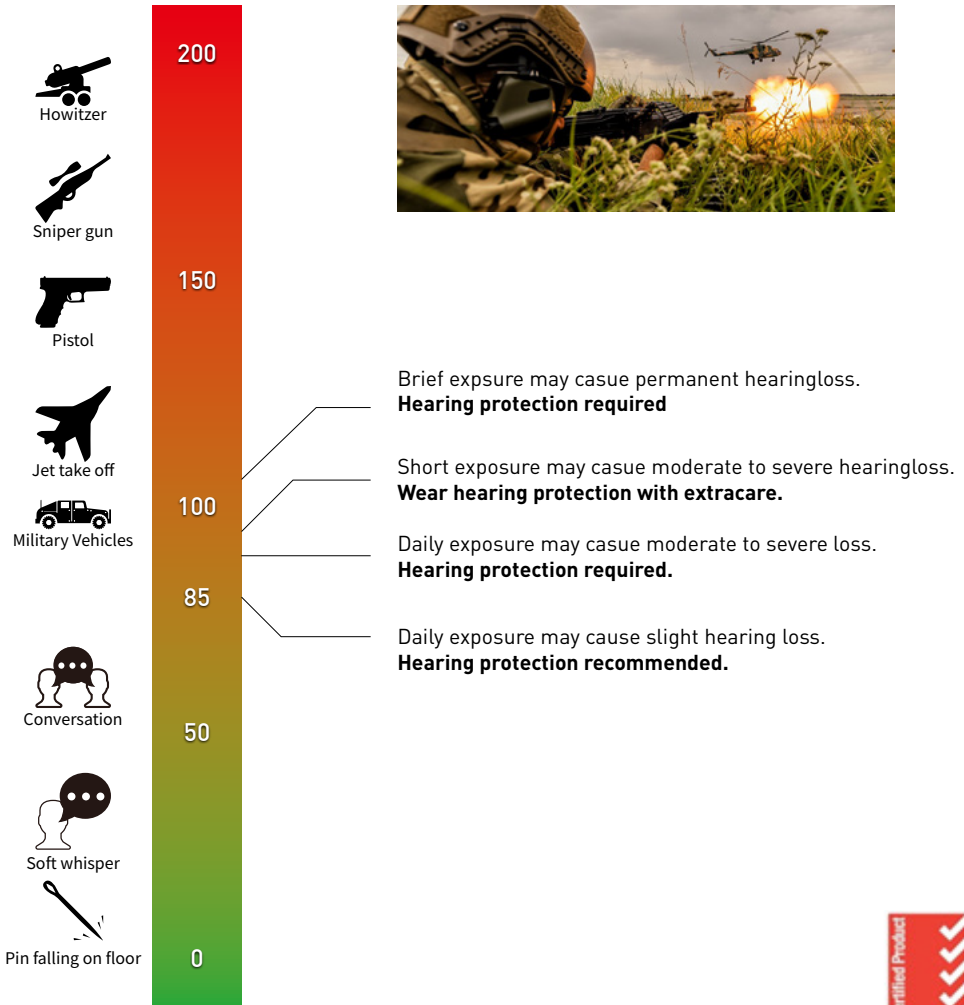


Features

- Noise reduction rating NRR 22
- Suppresses harmful noise above 82 dB
- Upgraded modular design can adapt to different suspension systems
- 5 adjustable sound mode options, which can be better adapted to different environments
- M62 headband with Velcro for easy to fix accessories and replace.
- Super fast attack time less than 1ms to avoid any noise impact.
- EMI/RFI shielding can increase RF immunity for EMI environment
- EMI/RFI shielding designed and tested in military standards MIL-STD-416
- Human voice, action, aircraft, car and shooting to enhance hearing and recognition.
- Clear voice tracking can improve speech intelligibility
- Anti-missing design hold the power button for 3 seconds to turn on/off
- 3mm thick high-strength modified ABS plastic shell formed by integrated reverse moulding, light and durable.
- The detachable microphone for M32 Mark3 can adapt to different usage habits
- Runs on 2x1.5V AAA batteries, approximately 400 hours standby time
- 4 hours auto shut-off mechanism and low battery prompt.
- HAIII military hard anode waterproof battery cover with anti-loss steel ring
- M32 is equipped with a Nexus TP-120 U-174 Military Connector (NATO STD) for PTTs
- M31 comes with 3.5mm AUX audio input cable for media devices.
- Sealed silicone ear cushions that are comfortable and fit the face, prevent sound leakage, effectively prevent sweat, and are suitable for long-term wear
- Foldable for storage and protection
- IP67 water resistant
- Environmental compatibility according to MIL-STD-810G testing standard
- Comply with CE / RoSH / FCC standards and personal hearing protection equipment certification.

• Need to know the protection:

Always wear hearing protection in a noisy environment, otherwise noise may cause hearing damage.



- ANSI S3.19-1974 Certification Number : Q5145A
- NRR:22 dB
- AS/NZS Certification Certification Number : Q5146A
- SLC(80)= 25.7 dB Class Specification:Class 5.



| Frequency (Hz) | 125 | 250 | 500 | 1000 | 2000 | 3150 | 4000 | 6300 | 8000 | NRR |
|-----------------------|------|------|------|------|------|------|------|------|------|-----------|
| Mean attenuation (dB) | 15.8 | 19.3 | 28.4 | 36.6 | 36.5 | 43.1 | 45.3 | 43.4 | 45.3 | 22 |
| Standard | 3.0 | 2.8 | 2.6 | 2.7 | 3.0 | 4.3 | 3.9 | 3.8 | 3.9 | |

•M32
(Folded)



•M32
(Unfolded)



•M32H



•M32X



Specifications

| Component | Parameters |
|------------------|--------------------------------------|
| Internal speaker | Diameter: 30mm |
| | Impedance:32ohm |
| | Rated power: 0.1W |
| | Frequency response:full-band |
| Pickups | Sensitivity:-38dB |
| | Active noise reduction:82dB |
| | Noise reduction Rate:22dB |
| | Power supply:2 AAA batteries |
| | Working voltage:2.4-3.3V |
| | Type:Omnidirectional |
| Wire | Diameter:4.5mm |
| | Temperature resistance:-20°C to 60°C |
| | Material:TPU |

Dimensions

M31 & M32
99(L)* 114(W)* 107(H)/mm (Folded);
99(L)* 179(W)* 142(H)/mm (Unfolded).

M31H & M32H
99(L)* 176(W)* 90(H)/mm

M31X & M32X
104(L)* 153(W)* 108(H)/mm

Weight

M31: 362g(without battery)
378g(with battery)
M32: 412g(without battery)
429g(with battery)
M31H: 342g(without battery)
364g(with battery)
M32H: 398g(without battery)
414g(with battery)
M31X: 383g(without battery)
399g(with battery)
M32X: 435g(without battery)
452g(with battery)

•Optional

Suspension system



Headband



Neckband



For ARC rails[X]



For ARC rails



For EXFIL rails



For M-LOK rails

Communication Type

None
(M31)



Single Comm
(M32)

6 Colours



BK



TN



FG



CG



CB



PK

WARNING

Hearing protector

Hearing protection is designed to reduce the harm caused by harmful noise or other treble.

Improper use or improper wearing can cause hearing damage in strong noise.

In order to use hearing protection headphones properly, you can consult a professional and read the instructions carefully or call our company for more details. Please do not wear headphones if the ear is ill, or improper protection will cause permanent hearing loss.



Contact

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