

# EARMOR<sup>®</sup>

NRR 22



# M20

## Electronic Earplug

OPSMEN Tech Co.,Ltd.

**EARMOR<sup>®</sup> M20 Electronic Earplug** is a more convenient and excellent hearing protection product. It adopts in-ear electronic hearing protection, which can help reduce continuous noise and impulse noise, while suppressing dangerous noises higher than 82 dB, and improve perception and communication in the noisy environments. There are two modes of indoor and outdoor to adjust the ambient sound. It is suitable for use in high-noise environments such as shooting training, law enforcement, manufacturing and construction, making work comfortable and efficient. The battery life can be up to 8 hours and there is a low-battery reminder. The portable charging case does not need to replace the battery, which is convenient for charging. Compared with traditional noise-canceling headphones, which are smaller and lighter in weight, the electronic earplugs combines compatibility, portability and comfort. It comes with a silicone Retention cord to prevent loss, and accessories such as earpieces cover and eartips of different sizes are convenient for users with different ear sizes.



## Feature

- Noise reduction rating +NRR22
- Intuitive one-button operation
- Rechargeable, high battery life
- 2 sound effects (indoor and outdoor)
- Power, low battery prompt
- Automatic shutoff after charging, automatic shutdown after 2 hours standby
- Portable, comfortable and compatible
- Anti-lost silicone Retention cord
- 3 sizes of earpieces cover and eartips
- The included data cable can be used for charging
- IPX-4 water resistance

# Scenes

Shooting training, law enforcement, manufacturing, construction





# Automatic shutoff

Nearly 2 hours standby, the electronic earplugs will be a beep

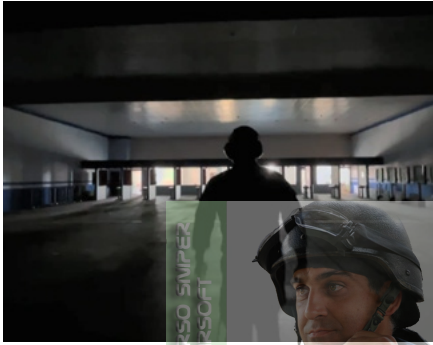
After more than 2 hours of standby, the electronic earplugs will auto shutoff and emit 3 beeps

Put the earplugs in the charging case when they are turned on, and will auto shutoff

Needs to be turned on again, just press the ON / OFF button again

# 2 modes of noise reduction

In order to reduce the echo and reverberation when shooting in indoor/outdoor environments, the electric earplugs are set with two noise reduction modes, indoor mode and outdoor mode, which can be switched.



# Clear voice tracking

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.



# Need to know the protection:

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



Brief exposure may casue permanent hearingloss.  
**Hearing protection required**

Short exposure may casue moderate to severe hearingloss.  
**Wear hearing protection with extracare.**

Daily exposure may casue moderate to severe loss.  
**Hearing protection required.**

Daily exposure may cause slight hearing loss.  
**Hearing protection recommended.**



**OPSMEN company declares that the product meets the following standards:**  
**ANSI S3.19-1974**  
**EN 352-2: 2002**  
**EN 352-7: 2002**

**NRR: 22**

**EARMOR M20 attenuation data, according to the specifications of the American National Standards Institute ANSI S3.19-1974**

Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000	<b>NRR</b>
<b>Mean attenuation (dB)</b>	32.4	30.5	33.8	30.5	32.4	37.2	39.3	38.2	39.1	<b>22</b>
<b>Standard</b>	4.0	4.1	5.0	5.3	4.4	5.0	3.7	5.3	4.7	

# Product and Accessories

1. A pair of M20 electronic earplugs (with a pair of medium earpieces cover and a pair of medium eartips)
2. Portable charging case\*1
3. Retention cord\*1
4. Charging cable \*1
5. A pair of small earpieces cover & eartips
6. A pair of large earpieces cover & eartips
7. User instructions \*1

## Dimensions

Charging case:  
85(L)\* 53(W)\* 40(H)/mm  
Electronic Earplug(single side):  
29(L)\*23(W)\*34(H)/mm

## Weight

Charging case: 69g  
Electronic Earplug (single side): 7g

## Colours

- Black-BK
- Foliage Green-FG
- Coyote Brown-CB
- Orange-OG
- Fluorescent Yellow-YE
- Fluorescent Green-GR

## Product Note

Operating temperature range for the earpieces: -20° C to 50° C  
Storage temperature range (complete kit): -20° C to 50° C  
Charging temperature range: 0° C to 50° C



### WARNING

Do not disassemble, puncture, squeeze, heat or throw the battery into fire  
Do not use the battery if it is severely swollen or immersed in water



## Data and specifications

Component	Parameters
Internal speaker	Diameter: 6.1mm
	Impedance: 16 ohm
	Rated power: 3mW
	Frequency response:full-band
Pickups	Sensitivity: -38 dB
	Active noise reduction: 82dB
	Noise reduction Rate: 22dB
	Power supply: lithium battery 40mH
	Working voltage: 3.7V
	Type:Omnidirectional
Wire	Diameter: Φ1
	Temperature resistance: -40°C to 60°C
	Material: Silica gel

# 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

For more information please visit our website [www.opsmen.com](http://www.opsmen.com)

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