

**MACK'S<sup>®</sup>**  
**LIVE**  
**FIRE<sup>™</sup>**  
**STEALTH**

***SOUND AMPLIFIER +  
HEARING PROTECTION  
FOR SHOOTERS***

**INSTRUCTION MANUAL**

# QUICK START INSTRUCTIONS

**1**

Fit orange or black foam ear tip onto device. Make sure ear tip is properly seated onto the amplifier tube.

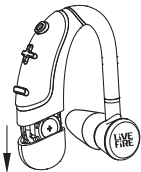


Foam  
ear tip

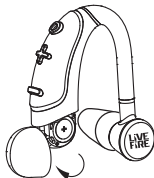


**2**

Insert size 13 battery into device. Gently close battery door.



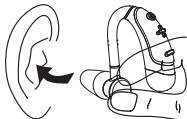
Gently pull  
door down



Swing door open. Insert battery with  
(+) sign facing out. Close door.

**3**

Position Live Fire™ Stealth in and over your ear and ensure snug fit inside ear canal.



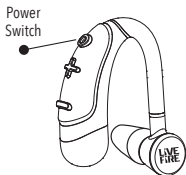
In ear



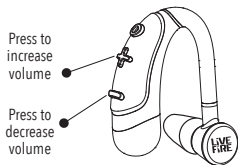
Over ear

**4**

Hold Power Switch down for 3 seconds to turn on.

**5**

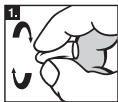
Turn volume all the way down. Gradually increase volume to desired sound level.



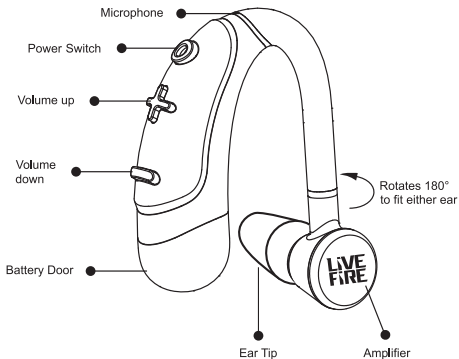
**NOTE:** If you experience squealing noise known as feedback, turn volume all the way down and ensure ear tip fits snugly inside ear canal.

**6**

Insert foam earplug into opposite ear for hearing protection. See detailed instructions below on how to insert *Covert Ops*® (black) and *Ear Ammo*® (orange) Soft Foam Earplugs.



## PRODUCT FEATURES



## WARRANTY

Mack's® Live Fire™ Stealth is covered by a 1-year repair or replacement warranty against defects and workmanship. The warranty period begins on the date of original purchase. The warranty does not cover malfunctions that are related to misuse of the device. For warranty service, send the product, a copy of your receipt and a detailed description of the problem to:

McKeon Products, Inc  
25460 Guenther  
Warren, MI 48091

We recommend that you send the product using a trackable shipping or mail service. For general inquiries about Mack's® Live Fire™ Stealth, please visit [www.macksshooters.com](http://www.macksshooters.com) or call 586-427-7560.

## PREPARATION

### 1. Attach orange or black foam tip to amplifier tube

Having a good seal between the foam ear tip and your ear canal is critical for optimal performance. Make sure the foam ear tip is properly seated onto the amplifier tube.



### 2. Insert or replace battery

Mack's® Live Fire™ Stealth requires one size 13 battery. If the battery is inserted incorrectly, the battery door will not close. Do not force the battery door to close.

1. Pull down on battery door (Fig. 1) and swing door open (Fig. 2).
2. Insert the new battery with the plus sign (+) facing out.
3. Close the battery door.

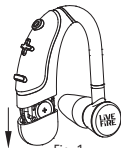


Fig. 1

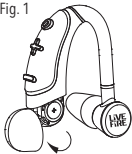
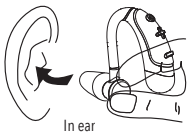


Fig. 2

**CAUTION:** Batteries are dangerous if swallowed! Keep batteries out of the reach of children. Seek immediate medical help if a battery is swallowed.

### 3. Position your Live Fire™ Stealth in & over your ear

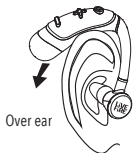
Step 1: Holding the Live Fire™ Stealth, insert ear tip into your ear canal and gently press into place with your fingertip to ensure a snug fit.



In ear

Step 2: While holding the ear tip in place, carefully place the Live Fire™ Stealth over top and behind the ear.

**NOTE:** Rotating the earpiece past 180 degrees may cause damage to the unit. If the foam ear tip is not inserted far enough into the ear canal, this may cause a squealing noise known as feedback.



Over ear

## OPERATION

### 4. On/Off

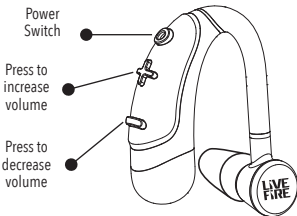
Press and hold Power Switch for 3 seconds to turn ON and OFF.

### 5. Volume Control

NOTE: It is recommended to start the volume at the lowest setting before use.

Adjust the volume gradually, according to your own sound enhancing preferences, but not so loud as to cause feedback.

NOTE: You will hear 3 beeps once you have reached the minimum and/or maximum volume settings.



### 6. Low Battery Warning

When you hear 4 consecutive beeps every 5 minutes, battery power is low and it is time to replace the battery.

NOTE: Average battery life under normal use is 120-135 hours.

## CAUTION

Consult with an audiologist or physician if you have excessive earwax or experience discomfort wearing Mack's® Live Fire™ Stealth. If a foam ear tip should become lodged in your ear canal and you are not able to remove it, consult an Ear, Nose and Throat (ENT) doctor for assistance. Do not use Mack's® Live Fire™ Stealth while swimming, showering or participating in other water activities. Keep batteries out of reach of children. Do not put batteries in your mouth or ingest batteries. Do not store in, or expose batteries to excessive heat such as fire, excessive sunshine, or similar high-heat environments.

# MAINTENANCE

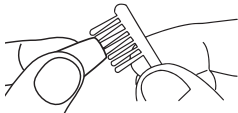
## Cleaning

Keep your Mack's® Live Fire™ Stealth clean and dry. Use a soft cloth to clean and remove any body oil or moisture from the shell of the Live Fire™ Stealth. DO NOT use water or other fluids to clean the device. DO NOT clean with any harsh or abrasive chemicals or cleaners.



Always handle the Live Fire™ Stealth with care to prevent it from falling onto hard surfaces. If the Live Fire™ Stealth is often in a moist environment or subject to a lot of perspiration, it may be appropriate to place it into a hearing aid dryer (available online and at most pharmacies) at least once per week.

NOTE: If earwax or debris accumulate on or in the foam ear tip, remove the ear tip from the device and clean with a soft-bristled brush. (This ONLY applies to the removable foam ear tip).



## Storage/Usage Temperature

Remove the battery for longer periods of storage and place device in storage case. Do not leave your Live Fire™ Stealth in direct sunlight or in areas where temperatures can rise over 140° F (60° C) for extended periods of time. Temperatures should not exceed limits of -4°/140° F (-20°/60° C) at a relative air humidity of 85% for extended periods during transport or storage.

## HEARING PROTECTION

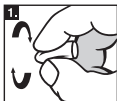
We are pleased to provide you with Mack's® Soft Foam Earplugs for use in the ear not wearing the Live Fire™ Stealth, including:

Mack's® Covert Ops® (black) Soft Foam Earplugs (NRR 32)

Mack's® Ear Ammo® (orange) Soft Foam Earplugs (NRR 30)

Additional supplies of these Mack's® earplugs are available at sporting goods and shooting sports retailers.

### Earplug Instructions



#### Proper Fit



1. With clean hands, roll plug into a tight, crease-free cylinder.
2. With opposite hand, reach over head and pull up and back on outer ear to straighten ear canal.
3. Quickly insert earplug well into ear canal and hold in place until it expands for a comfortable, secure fit.
4. **WARNING:** Improper fitting will reduce effectiveness, which could result in hearing loss or injury.

Discard after several uses or as soon as dirt or wax accumulates on earplugs.

**WARNINGS:** Remove earplug slowly with twisting motion to gradually break the seal. Rapid removal may damage eardrum.



Keep away from infants and small children. These earplugs are non-toxic, but may interfere with breathing if caught in windpipe, which could lead to serious injury or death.



**Noise  
Reduction  
Rating**

**23** DECIBELS  
(WHEN USED AS DIRECTED)

THE RANGE OF NOISE REDUCTION RATINGS  
FOR EXISTING HEARING PROTECTORS  
IS APPROXIMATELY 0 TO 30  
(HIGH NUMBERS DENOTE GREATER EFFECTIVENESS)

McKeon Products, Inc.  
Warren, MI 48091

**ITEM** Live Fire™ Stealth  
with orange tip

Federal law prohibits  
removal of this label  
prior to purchase



LABEL REQUIRED BY  
USEPA REGULATION  
40 CFR Part 211 Subpart B

#### INFORMATION REQUIRED BY THE E.P.A.

The level of noise entering a person's ear, when hearing protector is worn as directed, is closely approximated by the difference between the A-weighted environmental noise level and the NRR.

Example:

1. The environmental noise level as measured at the ear is 92 dB (A).
2. The NRR is 23 decibels (dB).
3. The level of noise entering the ear is approximately equal to 69 dB (A).

**CAUTION:** For noise environments dominated by frequencies below 500 Hz, the C-weighted environmental noise level should be used. Improper fit of this device will reduce its effectiveness in attenuating noise. Although hearing protectors can be recommended for protection against the harmful effects of impulsive noise, the Noise Reduction Rating (NRR) is based on the attenuation of continuous noise and may not be an accurate indicator of the protection attainable against impulsive noise such as gunfire. Constant or repetitive exposure to impulsive noise may lead to serious injury, temporary or permanent deafness. The Noise Reduction Rating (NRR) calculated from the attenuation data is 23 dB. Mack's® LiveFire™ Stealth with orange tip must be properly fitted to attenuate noise effectively. Refer to this Instruction Manual for proper fit.

#### SOUND ATTENUATION DATA (ANSI Standard S3.19-1974) NRR 23

Test Frequency in HZ	125	250	500	1000	2000	3150	4000	6300	8000
Mean Attenuation in dB	22.1	22.0	28.7	34.2	37.3	39.2	39.7	42.4	43.0
Standard Deviation in dB	4.3	3.6	4.2	4.9	3.7	4.8	3.5	3.2	5.5

**Noise  
Reduction  
Rating**

**20** DECIBELS  
(WHEN USED AS DIRECTED)

THE RANGE OF NOISE REDUCTION RATINGS  
FOR EXISTING HEARING PROTECTORS  
IS APPROXIMATELY 0 TO 30  
(HIGH NUMBERS DENOTE GREATER EFFECTIVENESS)

McKeon Products, Inc.  
Warren, MI 48091

**ITEM** Live Fire™ Stealth  
with black tip

Federal law prohibits  
removal of this label  
prior to purchase



LABEL REQUIRED BY  
USEPA REGULATION  
40 CFR Part 211 Subpart B

#### INFORMATION REQUIRED BY THE E.P.A.

The level of noise entering a person's ear, when hearing protector is worn as directed, is closely approximated by the difference between the A-weighted environmental noise level and the NRR.

Example:

1. The environmental noise level as measured at the ear is 92 dB (A).
2. The NRR is 20 decibels (dB).
3. The level of noise entering the ear is approximately equal to 72 dB (A).

**CAUTION:** For noise environments dominated by frequencies below 500 Hz, the C-weighted environmental noise level should be used. Improper fit of this device will reduce its effectiveness in attenuating noise. Although hearing protectors can be recommended for protection against the harmful effects of impulsive noise, the Noise Reduction Rating (NRR) is based on the attenuation of continuous noise and may not be an accurate indicator of the protection attainable against impulsive noise such as gunfire. Constant or repetitive exposure to impulsive noise may lead to serious injury, temporary or permanent deafness. The Noise Reduction Rating (NRR) calculated from the attenuation data is 20 dB. Mack's® LiveFire™ Stealth with black tip must be properly fitted to attenuate noise effectively. Refer to this Instruction Manual for proper fit.

#### SOUND ATTENUATION DATA (ANSI Standard S3.19-1974) NRR 20

Test Frequency in HZ	125	250	500	1000	2000	3150	4000	6300	8000
Mean Attenuation in dB	22.0	21.5	24.8	27.2	34.9	38.9	40.0	39.9	41.3
Standard Deviation in dB	3.7	3.5	3.9	3.9	3.3	3.5	3.9	3.8	3.9

**Noise  
Reduction  
Rating**

**32** DECIBELS  
(WHEN USED AS DIRECTED)

THE RANGE OF NOISE REDUCTION RATINGS  
FOR EXISTING HEARING PROTECTORS  
IS APPROXIMATELY 0 TO 30  
(HIGH NUMBERS DENOTE GREATER EFFECTIVENESS)

McKeon Products, Inc.  
Warren, MI 48091

**ITEM** **Covert Ops®  
Earplugs**

Federal law prohibits  
removal of this label  
prior to purchase



LABEL REQUIRED BY  
USEPA REGULATION  
40 CFR Part 211 Subpart B

#### INFORMATION REQUIRED BY THE E.P.A.

The level of noise entering a person's ear, when hearing protector is worn as directed, is closely approximated by the difference between the A-weighted environmental noise level and the NRR.

Example:

1. The environmental noise level as measured at the ear is 92 dB (A).
2. The NRR is 32 decibels (dB).
3. The level of noise entering the ear is approximately equal to 60 dB (A).

**CAUTION:** For noise environments dominated by frequencies below 500 Hz, the C-weighted environmental noise level should be used. Improper fit of this device will reduce its effectiveness in attenuating noise. Although hearing protectors can be recommended for protection against the harmful effects of impulsive noise, the Noise Reduction Rating (NRR) is based on the attenuation of continuous noise and may not be an accurate indicator of the protection attainable against impulsive noise such as gunfire. Constant or repetitive exposure to impulsive noise may lead to serious injury, temporary or permanent deafness. The Noise Reduction Rating (NRR) calculated from the attenuation data is 32 dB. Mack's® Covert Ops® Shooters Earplugs must be properly fitted to attenuate noise effectively. Refer to this Instruction Manual for proper fit.

#### SOUND ATTENUATION DATA (ANSI Standard S3.19-1974) NRR 32

Test Frequency in HZ	125	250	500	1000	2000	3150	4000	6300	8000
Mean Attenuation in dB	39,9	41,8	42,3	38,2	35,6	42,1	43,9	46,8	47,1
Standard Deviation in dB	4,2	4,4	3,7	2,4	2,2	2,3	2,85	4,1	3,2

**Noise  
Reduction  
Rating**

**30** DECIBELS  
(WHEN USED AS DIRECTED)

THE RANGE OF NOISE REDUCTION RATINGS  
FOR EXISTING HEARING PROTECTORS  
IS APPROXIMATELY 0 TO 30  
(HIGH NUMBERS DENOTE GREATER EFFECTIVENESS)

McKeon Products, Inc.  
Warren, MI 48091

**ITEM** Ear Ammo®  
Earplugs

Federal law prohibits  
removal of this label  
prior to purchase



LABEL REQUIRED BY  
USEPA REGULATION  
40 CFR Part 211 Subpart B

#### INFORMATION REQUIRED BY THE E.P.A.

The level of noise entering a person's ear, when hearing protector is worn as directed, is closely approximated by the difference between the A-weighted environmental noise level and the NRR.

Example:

1. The environmental noise level as measured at the ear is 92 dB (A).
2. The NRR is 30 decibels (dB).
3. The level of noise entering the ear is approximately equal to 62 dB (A).

**CAUTION:** For noise environments dominated by frequencies below 500 Hz, the C-weighted environmental noise level should be used. Improper fit of this device will reduce its effectiveness in attenuating noise. Although hearing protectors can be recommended for protection against the harmful effects of impulsive noise, the Noise Reduction Rating (NRR) is based on the attenuation of continuous noise and may not be an accurate indicator of the protection attainable against impulsive noise such as gunfire. Constant or repetitive exposure to impulsive noise may lead to serious injury, temporary or permanent deafness. The Noise Reduction Rating (NRR) calculated from the attenuation data is 30 dB. Mack's® Ear Ammo® Shooters Earplugs must be properly fitted to attenuate noise effectively. Refer to this Instruction Manual for proper fit.

#### SOUND ATTENUATION DATA (ANSI Standard S3.19-1974) NRR 30

Test Frequency in HZ	125	250	500	1000	2000	3150	4000	6300	8000
Mean Attenuation in dB	35.3	36.3	39.4	38.7	39.2	46.2	48.2	48.4	47.4
Standard Deviation in dB	5.8	5.4	4.8	4.0	4.0	5.3	4.3	3.7	4.9

# TROUBLESHOOTING

<b>SYMPTOM</b>	<b>POSSIBLE CAUSE</b>	<b>SOLUTION</b>
<b>NO SOUND</b>	No battery	Insert battery
	Dead or low battery	Replace battery
	Battery improperly inserted	Insert battery correctly
	Wax or debris in the ear tip	Remove and clean the ear tip
<b>NOT LOUD ENOUGH</b>	Low battery	Replace battery
	Excessive earwax	Consult your physician
	Volume set too low	Adjust the volume
	Improper insertion of ear tip	Remove and reinsert the ear tip
	Hearing change	Contact your hearing care professional
<b>SQUEALING, FEEDBACK</b>	Wax or debris in the ear tip	Remove and clean the ear tip
	Ear tip of improper size	Change ear tip to proper size
	Ear tip not positioned properly	Position according to instructions
<b>NOT CLEAR OR DISTORTED SOUND</b>	Low battery	Replace battery
	Live Fire™ Stealth damaged	Contact McKeon Products