



Raptor

MANUAL

Thank you for choosing to add an AB Suppressor to your firearms collection. Because we take pride in our products, it excites us to know that you have taken the step to join the AB family by adding one of our suppressors to your collection. We hope you enjoy your new suppressor and we hope to see you out there in the field or on the range.

Sincerely,

A handwritten signature in white ink, appearing to read 'BR', with a stylized flourish extending to the right.

Brad Riley, Founder and CEO

RAPTOR OVERVIEW

The RAPTOR suppressor is built from 100% titanium alloy, an extremely high-strength and low-weight material which allows for better overall performance. The fully welded construction of the RAPTOR further increases build strength and durability, while its tubeless design allows for maximum internal volume with no unduly added weight.

AB Spiral Technology significantly reduces the back pressure created with each shot by keeping gases moving away from the bore while extracting heat and energy. The reduced pressure also creates a much lower tone, making for a better shooting experience.

Interchangeable mounting systems and end caps allow the RAPTOR Series to be used on multiple calibers and platforms.

MOUNT TYPES

Flush Mount

When barrel diameter exceeds 1.00" or there is not any unobstructed space behind the muzzle.

Standard REFLEX

Mount from 1.00"-5.00" in length with .800" ID

When the barrel diameter is .750" OD or less and there is unobstructed space behind the muzzle and/or a hand guard allowing a 1.650" OD REFLEX to fit inside.

Bull Barrel REFLEX

Mount from 1.00"- 5.00" in length with 1.050" ID

When the barrel diameter is 1" OD or less and there is unobstructed space behind the muzzle and/or a hand guard allowing a 1.650" OD REFLEX to fit inside.

Other than the mounting threads and adjoining shoulders, never allow the REFLEX mount or suppressor to contact the barrel, hand guard or shooting platform as this will affect accuracy.

MINIMUM BARREL LENGTH RESTRICTIONS

5.56 | 10.5"

7.62 | 8" for BLK

7.62 | 16" / 22" for Magnum cartridges

.338 | 24" for Magnum cartridges

.375 | 22"

CALIBER RESTRICTIONS

- 5.56** | Any SAMMI centerfire cartridge housing a projectile with a diameter less than or equal to 5.56mm.
- 7.62** | Any SAMMI centerfire cartridge housing a projectile with a diameter less than or equal to 7.62mm, Magnums require a minimum of 2" reflex.
- .338** | Any SAMMI centerfire cartridge housing a projectile with a diameter less than or equal to .338, Magnums require a minimum of 3" reflex.
- .375** | No super magnums (.375 CheyTac)

INSTALLING YOUR RAPTOR

After confirming that your firearm is unloaded and that the chamber is clear, remove any existing muzzle device or thread protector which may be present. Before attempting to install your RAPTOR suppressor, please ensure that the mount, end cap and caliber are all the correct size for use on the host firearm. Please call us at 913-829-3400 if you have any questions.

1. If using a REFLEX mount, align the threaded end of the REFLEX with the threads of the barrel. Taking care not to cross-thread, screw the REFLEX onto the barrel until it is firmly secured (firm hand tight). Align the RAPTOR suppressor with the REFLEX and firmly screw the RAPTOR onto the REFLEX mount. Again, firm hand tight only. LE/MIL, it is recommended to use thread locker.

2. If using a flush mount, align the threaded end of the RAPTOR with the threads of the barrel. Taking care not to cross-thread, screw the RAPTOR onto the barrel until it is firmly secured (firm hand tight) and no additional threading is visible.

CLEANING & MAINTENANCE

Maintenance on the RAPTOR is typically limited.

While there are no specific intervals for cleaning, we suggest that you clean your RAPTOR whenever you clean your firearm. Threads should periodically be cleaned using any standard gun cleaning solvent and a nylon, brass or bronze brush to remove any carbon build up. With a dry cloth, wipe all solvent and loosened build up from the interior and threads of the suppressor. The baffles and internal walls of your RAPTOR do not need to be manually cleaned. The pressure from supersonic rifle rounds will break loose any larger carbon build-up or debris within the spirals and flush them out the front of the suppressor automatically when firing.

NEVER clean your suppressor while it is attached to a firearm.



MANUFACTURER'S DISCLAIMER

AB Suppressor is not responsible for improper usage of this product. It is the user's responsibility to understand and implement its proper use.

AB Suppressor is not responsible for criminal negligence, unintended use injuries, improper use injuries from modifications, injuries due to faulty ammunition or for injuries due to poor host threading.

If you do not understand the instructions in this manual, please contact AB Suppressor for further clarification at 913-829-3400.

WARNING

- A. DO NOT use any spacers or shims when installing your suppressor.
 - ▶ Spacers or shims can possibly cause misalignment and are not needed with this product.
- B. ALWAYS unload and clear firearm before installation or removal of the suppressor.
- C. NEVER clean your suppressor while it is attached to a firearm.
- D. If the suppressor becomes submerged for any reason, allow it to fully drain before firing.
- E. ALWAYS wear proper PPE for the task you are about to perform.
 - ▶ Follow cleaning supply recommendations.
 - ▶ Follow the firearm manufacturer's recommendations.

-
- F. ALWAYS follow proper firearms safety and practices.
- ▶ Keep pointed in a safe direction.
 - ▶ Keep unloaded unless intending to fire.
 - ▶ Know your target and what is behind it.
 - ▶ Wear safety glasses.
 - ▶ Consult your firearms manual for full list.
 - ▶ More safety rules and videos can be found here:
<https://www.nssf.org/safety/rules-firearms-safety/>
- G. DO NOT shoot frangible ammo.
- ▶ Frangible ammo can start to fragment when leaving the barrel and cause damage throughout your suppressor.
- H. DO NOT shoot unstable projectiles.
- ▶ Unstable projectiles may leave the free bore path and strike your suppressor.
- I. ALWAYS shoot quality factory loaded ammunition.
- ▶ Over or under pressured ammunition may cause unstable projectiles or projectile separation.

WARNING

- J. ALWAYS allow your suppressor to cool sufficiently before you or anyone else touches it or places it in a case to avoid burning/melting.
- K. ALWAYS ensure that your suppressor is properly tightened before shooting.
- L. ENSURE that your suppressor is properly aligned before shooting.
 - ▶ Use a suppressor alignment bore rod.
 - ▶ Have a competent gunsmith verify the concentricity of your host firearm's threads to the bore axis.

Failure to follow instructions in this manual can create a potentially dangerous situation for the operator and damage to the suppressor and host firearm.

WARRANTY

AB Suppressor warrants that the enclosed suppressor device was originally manufactured free of defects in material, workmanship and mechanical function. For the lifetime of the purchaser, AB Suppressor agrees to correct any defect in the suppressor for the purchaser by repair, adjustment or replacement, at AB Suppressor's option, with the same or comparable quality components (or by replacing the suppressor at AB Suppressor's option).

Please contact AB Suppressor at (913)829-3400 for warranty support prior to returning the suppressor.



CONTACT US

For customer service or warranty questions, you may contact us directly at 913-829-3400.

For additional information, you can visit our website at www.absuppressor.com.

913.829.3400

New Century, KS 66031

www.absuppressor.com

