



ECHOCORE RADIUS 360 USER MANUAL

PRODUCT OVERVIEW
USER MANUAL

RADIUS 360 Suppressor User Manual



**RADIUS
360**
.36 CALIBER

The EchoCore Suppressors Radius 360 is an innovative modular titanium suppressor engineered to provide exceptional sound suppression across an extremely wide range of firearm platforms.

Designed around EchoCore Suppressors' patented low-backpressure technology, the Radius 360 is equally at home on pistols, pistol caliber carbines, subguns, intermediate rifle cartridges, and full-power magnum rifles. Its modular construction allows the user to configure the suppressor in either its compact or full-length configuration, while interchangeable caliber-specific end caps optimize sound performance across numerous cartridges.

The Radius 360 utilizes the industry-standard 1.375x24 HUB mounting system, making it compatible with a wide variety of direct-thread mounts, muzzle devices, boosters, and quick-detach systems.



WARNING
POSSIBLE DANGER. FAILURE TO FOLLOW THIS
RULE MAY RESULT IN INJURY, DAMAGE, OR DEATH

01
SPECIFICATIONS

Material: Titanium
Construction: Modular two-piece design
Mount: 1.375x24 HUB Compatible
Finish: High-temperature ceramic coating
Dimensions & Weight

Short Configuration
Overall Length: 5.0 inches
Outside Diameter: 1.75 inches
Weight: 6.5 ounces

Full-Length Configuration
Overall Length: 7.0 inches
Outside Diameter: 1.75 inches
Weight: 10.6 ounces

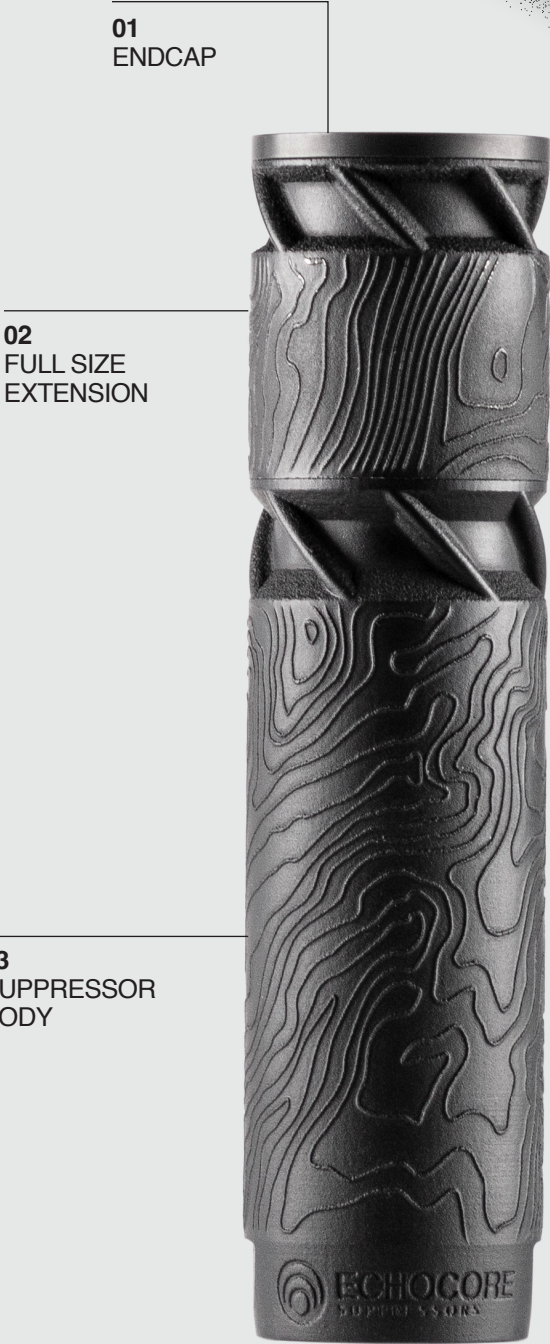
02
CONFIGURATION

Compact or Full-Length with Interchangeable
caliber-specific end caps

Caliber Compatibility

Approved for all cartridges utilizing
projectiles measuring .360 caliber or smaller,
including:

9mm
.357 Magnum
.38 Special
.350 Legend
.300 Blackout
.223REM/5.56 NATO
6mm ARC
6.5 Creedmoor
6.5 PRC
.300 PRC
.308 Winchester
.30-06 Springfield
.300 Winchester Magnum
.338 Lapua Magnum



WARNING
DO NOT USE KEYMO MOUNTS OR HUBS, DOING SO
WILL VOID YOUR WARRANTY.

03 HUB INSTALLATION

Ensure the firearm is unloaded and safe before installation.

- Install the desired HUB mount into the suppressor. (fig 1)
- EchoCore Suppressors recommends torquing HUB mounts to approximately 25 ft-lbs using a small amount of Rocksett for semi-permanent installation.
- Install the suppressor onto the firearm in accordance with the mount manufacturer's instructions.
- For direct-thread mounts, tighten the suppressor to approximately 35 ft-lbs.

Alignment (fig 2)

Always verify suppressor alignment when installing the Radius 360 on a new firearm or when changing mounting systems. EchoCore Suppressors strongly recommends using a suppressor alignment rod whenever possible. If the alignment rod is centered with equal clearance around the suppressor bore, alignment is acceptable. If alignment appears questionable, discontinue installation immediately. Improper alignment can result in suppressor damage, firearm damage, and personal injury.

FIG 1
INSTALLATION



FIG 2
ALIGNMENT



GO
CORRECT ALIGNMENT
(SECTOR ENDCAP SHOWN)



NO-GO
INCORRECT ALIGNMENT
(SECTOR ENDCAP SHOWN)



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04 MODULAR EXTENSION

The Radius 360 may be configured in either its compact or full-length configuration by installing or removing the extension module.

Before reassembly:

- Clean both male and female threads.
- Apply a light coating of lubricant or anti-seize to the extension threads.
- Hand tighten only.
- Periodically verify the extension remains tight during firing.

Proper thread lubrication helps prevent carbon buildup and makes future disassembly significantly easier.

Caliber-Specific End Caps

The Radius 360 accepts interchangeable caliber-specific end caps to optimize sound suppression across different cartridges.

Available end caps include:

- .22 Caliber
- .30 Caliber
- .36/9mm Caliber



05 BEFORE INSTALLATION

Clean The End Cap Threads

1. Apply a light coat of lubricant or anti-seize to both the male and female threads.
2. Install the end cap hand tight only.
3. Periodically verify the end cap remains secure during firing.
4. No tools are required to tighten the end cap during normal installation.

End Cap Removal

A standard 1/2-inch hex (Allen) wrench is required for end cap removal.

The recessed 1/2-inch hex interface machined into the end cap is intended primarily for removal should carbon buildup cause the end cap to become difficult to remove.



06 CLEANING

The Radius 360 requires minimal routine maintenance during normal centerfire use.

1. Clean the suppressor by soaking it in a mild degreaser or detergent solution for approximately 20–30 minutes.
2. Flush thoroughly with clean water.
3. Allow the suppressor to air dry completely before firing. Compressed air may be used to accelerate drying.

EchoCore Suppressors does not recommend ultrasonic cleaners, as prolonged exposure may damage the exterior finish.

Thread Maintenance

Whenever removing either the modular extension or an interchangeable end cap:

1. Clean all mating threads.
2. Apply a light coating of lubricant or anti-seize before reassembly.

Routine lubrication greatly reduces the likelihood of carbon lock while ensuring smooth future disassembly.

Storage

Before long-term storage:

- Clean the suppressor.
- Dry thoroughly.
- Lightly lubricate extension threads.
- Lightly lubricate end cap threads.
- Store in a cool, dry location.

07 SAFETY

Always verify:

- The HUB mount is secure.
- The suppressor is properly aligned.
- The modular extension is fully tightened.
- The end cap is fully seated.
- The suppressor remains tight during firing.



WARNING

NEVER FIRE AMMUNITION UTILIZING PROJECTILES LARGER THAN .338 CALIBER.



WARNING

NEVER FIRE WITH LOOSE OR IMPROPERLY INSTALLED COMPONENTS.



WARNING

NEVER MODIFY THE SUPPRESSOR OR ITS COMPONENTS.

Warranty Reminder

The Radius 360 is designed for cartridges utilizing projectiles measuring .338 caliber or smaller.

Damage resulting from improper installation, unauthorized modification, misuse, or use outside the approved operating parameters may not be covered under warranty.

Technical Support

For technical assistance or warranty support: sales@echocoresuppressors.com



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