



# GRANITE

## Open Reflex Sight User Manual

- GTMOS-CA-GN: MOS Mount, Carry Window, Green Illumination**
- GTMOS-CA-RD: MOS Mount, Carry Window, Red Illumination**
- GTMOS-CO-GN: MOS Mount, Comp Window, Green Illumination**
- GTMOS-CO-RD: MOS Mount, Comp Window, Red Illumination**
- GTRMR-CA-GN: RMR Mount, Carry Window, Green Illumination**
- GTRMR-CA-RD: RMR Mount, Carry Window, Red Illumination**
- GTRMR-CO-GN: RMR Mount, Comp Window, Green Illumination**
- GTRMR-CO-RD: RMR Mount, Comp Window, Red Illumination**



Thanks for choosing Gideon Optics. This short manual will help you understand the features of your new optic, how to mount it, how to change the battery, and how to use it.

# Torque Specs: Tighten Screws to 10-15 inch pounds

## **WARNINGS:**

1. DO NOT observe the sun directly while looking through the optic. The lens coatings are not dark enough to prevent damage to your eyes if you look directly at the sun.
2. Never put this product in a place close to a heat source or a place of high temperature for an extended period of time, like an oven. If you want to change colors, please use the air-dry variants of Duracoat / Cerakote or simple spray paint.
3. Never leave the optic, mounts, or screws in reach of children or pets, to avoid the potential danger of swallowing.

## **Specifications**

Magnification: 1x

Lens Dimensions (Carry): 17mm tall x 25mm wide

Lens Dimensions (Comp): 22mm tall x 28mm wide

Elevation/Windage adjustment range: 45 MOA (Total 90 MOA)

Click Value: 1 MOA per click

Reticle (Carry): 3 MOA Dot

Reticle (Comp): 8 MOA Dot

Parallax Free: Beyond 33 yards

Red Dot Brightness Setting: 10 levels

Power Supply: 1x CR2032 3V Lithium battery

Auto Wake/Sleep: 225 Seconds after no movement

Shockproof & Waterproof

Dimensions (Comp): (LxWxH) 50.5mm x 38.5mm x 32.9mm

Dimensions (Carry): (LxWxH) 48.9mm x 34.8mm x 28.9mm

Weight (Comp), with battery installed: 1.97 oz

Weight (Carry), with battery installed: 1.68 oz

### **How to Install/Change the CR2032 Battery**

Granite features a side mounted battery compartment so the removal of the optic from its mount is not necessary. Using the tool provided or a T15 star wrench, remove the battery compartment cap by turning in counter-clockwise direction. Remove the old CR2032 battery and replace with a new 3V CR2302. The “+” side should face away from the optic. Replace the battery compartment cap by turning it clockwise. Be careful not to cross-thread to avoid damage to the threads. To avoid stripping out the battery compartment cap, do not over torque it. There is no torque spec on the battery cap, just stop turning when it no longer turns easily.

### **Power On**

Press the triangle-shaped UP button (on the left side of the lens) to turn on the sight.

### **Motion Activation**

Granite features an automatic timeout and motion sensitive “shake to awake” feature. If the optic is not bumped or moved for 225 seconds, the dot will turn off and the optic will enter a low power state, extending battery life. When the optic is bumped or moved, the dot will immediately power on and return to the previously selected brightness level.

### **Power Off**

Granite can be completely powered off by holding the triangle-shaped DOWN button (on the left side of the lens) for three seconds.

NOTE: This is a complete power off that disables the motion-sensitive “wake” function. This is recommended for long term storage, or travel when the optic will not be used.

### **Brightness Adjustment**

Granite is equipped with 10 brightness settings. Use the UP and DOWN buttons to quickly toggle through the different brightness levels. Always select the lowest brightness setting that still provides good contrast against the target. The higher brightness settings should only be used in bright daylight (otherwise, the reticle will bloom and possibly distort). The sight will return to the previously selected brightness level when powered off and back on.

## **Mounting the Sight**

If you aren't confident with your abilities, if you don't own an inch pound torque wrench, or if you are unsure about mounting procedure, a local gunsmith won't charge you much to get it right the first time.

Granite MOS mounts directly to double-stack magazine type Glock MOS slides, such as Glock 19/17/34 etc. There are no adapter plates needed, Granite is a direct mount to the slide. Granite will not mount to Glock 43X and 48 MOS models, which use the RMSC footprint.

Granite RMR utilizes the same industry standard mounting footprint as Trijicon® RMR® and compatible mounting adapters (featuring two recoil posts). To mount Granite RMR on the slide of an optics-ready RMR footprint handgun, loosen the two mounting screws in the center of the optic to remove it from the pre-installed 1913 Picatinny rail mount. Then install Granite straight onto the footprint and torque the screws down to just ten to fifteen inch pounds. Applying blue threadlocker to the screw threads can help prevent the screws from loosening up due to the vibrations of firing. For modular optics-ready handguns, the cover plate (on the slide) may need to be replaced with the appropriate RMR footprint mounting plate (refer to your handgun operation manual for more details).

## **Parallax**

Granite has been carefully designed to be parallax free at 33 yards. At distances closer than 33 yards, parallax shift should be so minor that it is irrelevant. At distances significantly greater than 33 yards, some parallax may be observed. To reduce the possibility of a point of impact (POI) shift caused by parallax for precision shooting at longer distances, the reticle should be kept in the middle 2/3 of the field of view when aiming.

## **Reticle, Elevation/Windage Adjustment**

Granite Carry uses a 3 MOA dot reticle, and Granite Comp uses an 8 MOA dot reticle. The elevation and windage dials of this sight feature audible and tactile clicks. Each click will move the point of impact about 1 Minute of Angle (MOA), approximately 1 inch at 100 yards, or 1/2 inch at 50 yards. For zeroing and precision shooting, always select the lowest brightness setting that still provides good contrast against the target to help the reticle be as crisp and sharp as possible.

## **Zeroing**

Please note that the reticle comes from the factory "centered" in the middle of its adjustment range. Only minor windage and elevation adjustments should be required to zero. If significant adjustments appear necessary, please make sure the sight is properly mounted. This is not a defect of the sight. Adjustable mounting bases (or shims) may be required for certain applications.

After properly mounting the optic to the firearm, fire a 3-shot group and observe the point of impact using an average of the group. Initial zeroing at shorter ranges is recommended before fine-tuning the optic for longer ranges. Zeroing at extremely short distances (10 yards or closer) will likely not provide a true zero at longer ranges due to the angle created by the optic's centerline height over bore.

Using a small flathead screwdriver, set the elevation dial (top of optic) and the windage dial (side of optic) to adjust the alignment of the reticle. The rotation directions engraved on the optic refer to point of impact shift, not the position of the dot inside the window. Each hash mark on either of the adjustment dials represents one minute-of-angle (MOA). After making your adjustments, fire another 3-shot group to confirm the change in point of impact. Repeat as necessary.

**Maintenance:**

*CLEANING THE LENS*

Blow away any dust or grit on the lens surface before wiping the lenses. Gently wipe the lenses clean with a soft and dry cloth. Glass cleaner is fine to use but keep harsh solvents and other gun cleaning chemicals away from the lens.

*STORAGE*

If possible, Granite should be stored in a cool and dry place. Remove the battery from the battery compartment if the optic is to be stored for an extended period of time.

*NOT USER SERVICABLE*

DO NOT attempt to disassemble any components of the Granite reflex sight. There's nothing in there you can fix. Disassembling the optic will void the warranty.