



Brilliant Aiming Solutions™



**Trijicon SRO**®

(Specialized Reflex Optic)

**Instruction Manual**

## TABLE OF CONTENTS

Warnings & Cautions _____	4	Adjustment Procedures _____	28
Introduction _____	8	Zeroing Procedures _____	34
Characteristics _____	12	Cleaning & General Care _____	36
Controls & Indicators _____	13	Models & Accessories _____	36
Identification & Markings _____	14	Troubleshooting _____	37
Installation Instructions _____	15	Patents & Trademarks _____	37
Preparation for Use _____	17	Limited Lifetime Warranty _____	38
Operation _____	19	Contact _____	39

## The Science of Brilliant®

---

At Trijicon, we are bound by a commitment to industry-leading research, design, and testing to seek innovative aiming solutions that constantly redefine “brilliant.” That’s why Trijicon products are subjected to the below testing methods.



Alaska-to-Africa Tested | Immersion Tested | Solid Zero Tested  
Vibration Tested | Drop Tested

## Warnings & Cautions

---

### **WARNING**

Before installing the optic on a firearm, ensure the firearm is UNLOADED.

### **CAUTION**

This Trijicon® product is shipped with a new lithium battery. Lithium batteries or lithium button cells pose the risk of fire. The battery can explode or leak and cause injury if installed backwards, disassembled, charged, crushed or exposed to fire or high temperature. Keep out of reach of children. Check local municipality for proper disposal. California Only; Perchlorate Material – special handling may apply.

### **CAUTION**

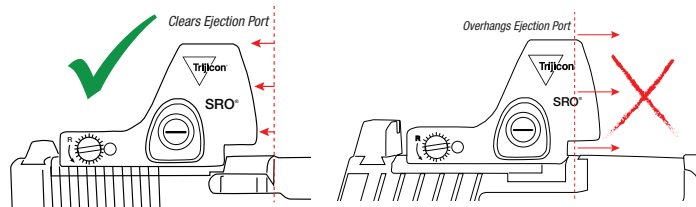
DO NOT allow harsh organic chemicals such as acetone, trichloroethane, or other cleaning solvents to come in contact with this Trijicon® product. They will affect the appearance, but not the performance.

Repair or maintenance other than that described in this manual is prohibited by anyone other than the manufacturer.

## Warnings & Cautions

### **WARNING**

It is not recommended to mount the SRO® on pistols if the front of the optic overhangs the chamber/breach face as this may cause the pistol to malfunction (**Figure 1**).



**FIGURE 1**

## Introduction

---

The Specialized Reflex Optic (SRO®) is specifically designed for pistol use, with a design that makes it simple to find and track the dot. It's simple to find and track the dot in both target, and competitive shooting. The SRO is designed to be used with both eyes open providing the operator with maximum situational awareness and quick target acquisition. Accuracy is enhanced with both windage and elevation adjustments (see page 30, 32) and performance is assured with a durable 7075-T6 forged aluminum housing.

The SRO® utilizes the industry leading Trijicon RMR® footprint for mounting which makes it easily compatible with firearms already accepting the RMR. The SRO can be slide milled up to .180" deep.

The SRO will also work with traditional suppressor height iron sights in the same way as the Trijicon RMR.

A single CR2032 battery powers the system via a top loading battery cap. The optic does not need to be removed to change batteries, thus eliminating the need to recheck zero once a new battery is supplied.

## Introduction

---

The SRO® also has a button lock-out, and brightness lock-in feature (explained on page 22). These features can be turned on and off as desired.

The SRO is available in three different adjustable LED models with multiple dot sizes, offering a choice to suit your needs.

The SRO utilizes a sensor that detects your lighting conditions and automatically adjusts the dot to the optimal brightness. It also allows the user to make manual adjustments to the dot brightness.

The Trijicon SRO features a large, clear lens for an unobstructed view of the target. The large circular field of view also aids in finding and tracking the dot more easily.

The SRO® is based on the award winning Ruggedized Miniature Reflex (RMR®), a design which achieves unprecedented levels of mechanical and electrical robustness. Specifically, the SRO is a perfect choice for slide ride and frame mounted pistols and/or all other small arms that require fast target acquisitions and aiming clarity.

## Characteristics

<b>Magnification</b>	1x
<b>Sight Window</b>	.98 x .89 in. 25 x 22.5mm
<b>Adjustments</b>	1 click = 1 MOA
<b>Adjustment Range</b>	±75 MOA
<b>Dimensions (LxWxH) (w/o mount)</b>	2.15 x 1.27 x 1.345 in. 54.6 x 32.3 x 34.2mm
<b>Weight (w/o mount)</b>	1.58 oz. (w/ battery) 44.7g
<b>Optical Center Over Base</b>	0.769 in (19.53mm)
<b>Illumination Source</b>	LED Powered by a Top Loading CR2032 (Lithium Battery)
<b>Battery Life</b>	3 years of continuous use, at setting 4 of 8
<b>Brightness Settings</b>	Automatic and 8 Adjustable Settings (2 NV, 6 Visible)
<b>Housing Material</b>	7075-T6 Forged Aluminum Housing

For available mounting adapters, please visit our website.

## Controls & Indicators

- A** Elevation Adjuster
- B** Lens
- C** Plus (+) Brightness Adjuster
- D** Minus (—) Brightness Adjuster
- E** Windage Adjuster

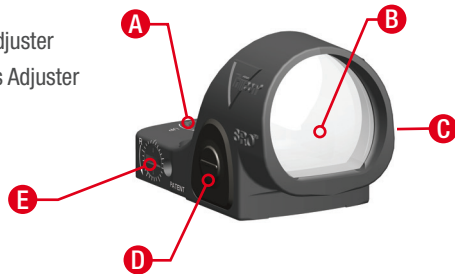


FIGURE 2

## Identification & Markings

---

- A** Model
- B** Serial Number
- C** Dot Size

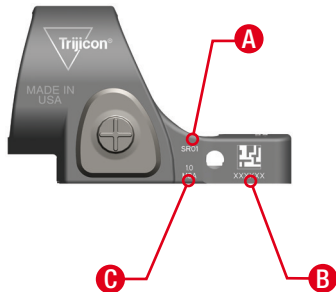


FIGURE 3

## Installation Instructions

---

**WARNING:** Removing the bottom plate will void the Trijicon warranty.

**NOTE:** The SRO<sup>®</sup> does not require a sealing plate.

The SRO can be directly mounted to most RMR<sup>®</sup> footprints, as long as there is clearance in front of the optic to other sighting systems or obstructions (see page 7 for specific example). The user should ensure the proper length screws are used for their mounting solution.



## Installation Instructions

---

Two sets of screws are supplied with the SRO®. Both sets are #6-32 flat head torx cap screws. One set is 1/2" long, and the other is 3/8" long. The shorter screws are required for mounting the SRO to a Glock® MOS system. For other mounting applications use the longer screws whenever possible, to maximize thread engagement. Your specific mounting application may require screws of different length or thread pitch. It is recommended to torque the supplied mounting screws to 15 in-lbs.

## Preparation for Use

---

### Battery Installation

Install battery so that the positive (+) side faces the cap (as shown).

A small magnet will hold the battery in the cap to aid assembly of the cap/battery to the optic.



FIGURE 4

## Preparation for Use

---

Set the cap into the housing lightly pressing down to mate the leading threads of the cap to the housing pocket. Using a tool (flat blade screw driver, penny, dime, nickel, 9mm case rim, .223 Rem case rim, etc.), rotate/turn the cap clockwise until resistance is felt. Take care not to cross thread the cap and pocket threads. The cap should thread easily if the threads are aligned during installation. Ensure the battery cap o-ring is properly seated in its groove on the cap before assembly to the housing.

## Operation

---

The SRO<sup>®</sup> uses one (1) CR2032 battery to power the LED which is included in the original packaging and already installed in the optic.

The battery life has been tested to provide over three years (on setting 4 of 8) of “continuously on” power in normal operating conditions. Extreme high and low temperatures and usage on higher brightness settings will have dramatic effects on the battery life.

## Operation

---

Trijicon recommends replacing the battery once a year, or more frequently if used on higher brightness settings. The aiming dot brightness at each setting will remain constant throughout the life of the battery. However, if the voltage drops too low, the SRO may not power up normally, which would require the battery to be replaced.

### **SRO®**

To turn the unit on, simply press and release one of the buttons on either side of the unit, and it will power into the default automatic mode.

The plus (+) and minus (—) buttons on each side control the manual dot brightness. There are eight (8) brightness settings, one (1) being the dimmest and eight (8) being the brightest.

Settings 1 and 2 are designed to be used with night vision devices. You may adjust as required for the ambient lighting conditions and target scene.

## Operation

---

To place the unit in automatic mode (where the dot automatically adjusts to ambient light), press both buttons simultaneously for less than one second and release. To turn the unit off, press and hold both buttons for at least three seconds.

To place the SRO<sup>®</sup> into Button Lock-Out mode:

1. The SRO must be turned off with a battery installed.
2. Press and hold both buttons for at least three seconds and the SRO will power up in automatic mode with manual brightness settings locked out.

3. To regain manual adjustment, press and hold both buttons for at least three seconds to shut off the SRO<sup>®</sup>.
4. Press either the “—” or “+” button to turn the SRO on into the default automatic mode. You will now have the ability to adjust the brightness manually with subsequent presses of a button.

To place the SRO into Manual Brightness Lock-In Mode:

1. The SRO must be on and not in button Lock-Out mode.
2. Manually select the desired brightness setting by pushing either the “—” or “+” button.

## Operation

---

Once the desired setting is selected, press and hold either button for 3 seconds. The dot will blink accepting the brightness level and will then lock into that setting. (The 16.5 hour timer will be turned off, and the SRO® will remain in that brightness setting until the battery is depleted or the unit is taken back to manual mode by the user).

3. To change Lock-In settings, press and hold both buttons for 1 second to return to manual control. Repeat step 2.

### **Replacing Batteries**

If the SRO® is mounted, there is no need to remove it from the firearm to replace the battery. Ensure the firearm is free of any ammunition source before replacing the battery. Inspect the new battery to ensure there is no corrosion or damage. Install the battery into the sight using the procedures on page 17. Ensure the sight is now functioning and the dot illuminates.

## Operation

---

The SRO<sup>®</sup> is waterproof up to 10 ft. (3m) for 1 hour of submersion as shipped from the factory. The bottom plate is permanently attached and should not be removed by the user.

The SRO is equipped with a 16.5 hour reset timer to force the optic into automatic mode, if the SRO has been manually set to any level of brightness.

**NOTE:** This timer is not active in either the Lock-Out or Lock-In modes.

Each time you press a button to manually adjust the dot brightness, the automatic timer will reset to 16.5 hours. This 16.5 hour timer adds the benefit of conserving battery power if the SRO is inadvertently left in the manual mode at a high brightness setting for extended periods of time.

**NOTE:** Using the brightness Lock-In mode shuts off the timer and you will not have the benefit of this timer feature.

The SRO<sup>®</sup> will conserve power by dimming itself when placed in dark storage. Turning the SRO off will also extend the battery life substantially.

## Adjustment Procedures

---

The Trijicon SRO® is internally adjustable. It is shipped with the illuminated dot in a factory centered position. Normally, this means that only small adjustments are necessary. A coin, such as a dime or penny, will fit the slot on the adjustment dial. You may also use the rim of a cartridge case or a flat-head screwdriver.

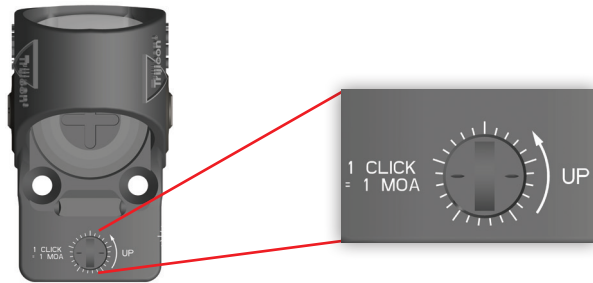
**CAUTION:** The windage and elevation adjusters should never be moved all the way to the extremes. It is possible that over-adjustment can damage the sight. When rotating the adjusters, the resistance will increase as you reach the limits of the mechanism. If adjusted past this point, the mechanism may break. If you have questions please see our CONTACT information on page 39.

## Adjustment Procedures

---

### Elevation Adjustment

Moving the adjuster in the direction of the arrow (counterclockwise) will move the bullet's Point of Impact (POI) UP as indicated on the adjuster (**Figure 5**). Adjustment increments are 1 MOA per click, meaning that 1 click is required to move the bullet's impact one inch on a target at 100 yards. The amount of clicks can be detected through audible and tactile feedback. The laser etched tick marks on the housing along with the small indicators on the adjustment screw can be used for adjustment reference. Each tick represents approximately 2 MOA with the major lines representing 10 MOA between lines.



**FIGURE 5**

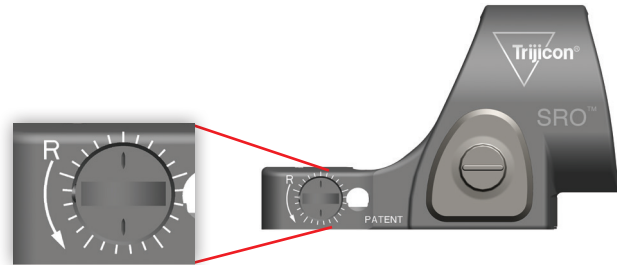


## Adjustment Procedures

---

### Windage Adjustment

Moving the adjuster in the direction of the arrow (counterclockwise) will move the bullet's Point of Impact (POI) RIGHT, as indicated on the adjuster (**Figure 6**). Adjustment increments are 1 MOA per click, meaning that 1 click is required to move the bullet's impact one inch on a target at 100 yards. The amount of clicks can be detected through audible and tactile feedback. The laser etched tick marks on the housing along with the small indicators on the adjustment screw can be used for adjustment reference. Each tick represents approximately 2 MOA with the major lines representing 10 MOA between lines.



**FIGURE 6**

## Zeroing Procedures

---

### 25 Yard Zero

Center the aiming dot on a 25 yard target and fire a precise shot group (minimum 3 rounds). Evaluate location of shot group compared to your Point of Aim (POA). Adjust the windage and elevation, and shoot another series of shots until the center of the shot group is on the center of your POA. This establishes the POA as the Point of Impact (POI) for the bullet.

1 MOA = 1 click, which provides about 1 inch shift in bullet impact at 100 yards or  $\frac{1}{4}$  inch per click at 25 yards.

**NOTE:** Once the SRO<sup>®</sup> changes firearm platforms, it will need to be re-zeroed for the new firearm.

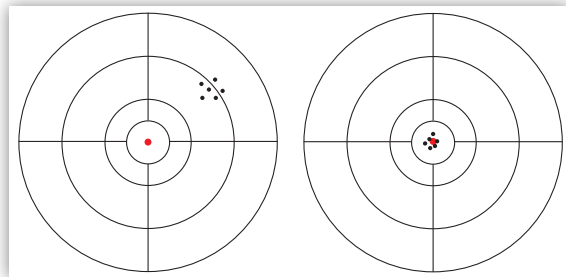


FIGURE 7

## Cleaning & General Care

---

### General Information

This Trijicon® product requires very little maintenance. If the lenses become dirty, wash using fresh water or lens cleaner and a soft clean cloth.

The outside lenses may fog over in cold weather. Remove fog by using a dry, clean soft cloth. Anti-fog solutions can be applied to the exterior of the lenses to help prevent fogging during temperature changes.

## Models & Accessories

---

Contact Trijicon Customer Service at 1-800-338-0563 or visit our website at [www.trijicon.com](http://www.trijicon.com) for all available mounts and accessories.

## Patents & Trademarks

---

U.S. patents may apply to this product. For details, visit [www.trijicon.com/patents](http://www.trijicon.com/patents).

## Troubleshooting

---

Please visit our FAQ page at [www.trijicon.com](http://www.trijicon.com) for answers to any questions you might have regarding your product. For more detailed information, please contact our Customer Service Department at 1-800-338-0563 or email us at [customerservice@trijicon.com](mailto:customerservice@trijicon.com).

## Limited Lifetime Warranty

---

The original owner of the Trijicon® product registered with the warranty card is entitled to repair or replacement (at our option) of the registered item if it should fail due to defects in material or workmanship during normal use. This warranty specifically applies to the optical systems and metal structure of the product and does not apply to the illumination system. Electronics are warranted to be free of defects in material and workmanship during normal use for a period of 5 years from the date of manufacture. If repair is necessary, please contact our Customer Service Department for return instructions. This warranty does not apply to defects caused by anything which is deemed abnormal, abusive, or improper including any fault resulting from an accident or improper service. Please note that the manufactures warranty will be void and the product cannot be serviced if it is exported from the United States in violation of U.S. Export Control Laws and Regulations. Any attempt at disassembly or repair will annul this warranty. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

## Contact

---

Trijicon, Inc.  
49385 Shafer Avenue  
P.O. Box 930059  
Wixom, MI 48393

1-800-338-0563  
248-960-7700

**Trijicon.com**



**[Trijicon.com/SRO](https://www.trijicon.com/SRO)**