



Brilliant Aiming Solutions™



Trijicon RMR^{cc}

Instruction Manual

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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 | Solid Zero Tested | Drop Tested
Vibration Tested | Immersion 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.

Warnings & Cautions

 **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.

Introduction

This Ruggedized Miniature Reflex for Concealed Carry (RMR[®]cc) is intended for quick target acquisition. The Trijicon RMRcc is designed to be used with both eyes open providing the operator with maximum situational awareness. Accuracy is enhanced with both windage and elevation adjustments (see page 26, 28) and performance is assured with a strong 7075-T6 forged aluminum housing.

The RMRcc is based on the industry-leading RMR Type 2 design which has achieved unprecedented levels of mechanical and electrical robustness. Specifically, the RMRcc is a perfect choice for use on smaller and single stack pistols that require fast target acquisitions and aiming clarity.

Electronic settings in the new RMRcc include a button “Lock-Out” mode, brightness “Lock-In” mode, and battery saving features. These attributes make this optic ideal for concealed carry, home defense, competition, law enforcement, and recreational shooters alike.

Introduction

Illuminated Reticle

The Adjustable LED RMR[®]cc uses 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. It takes a single CR2032 battery to power.

The RMRcc also has a button “Lock-Out” and brightness “Lock-In” feature (explained on page 18). These features can be turned on and off as desired.

RMR ^{cc} Specifications	
Magnification	1x
Reticle Color	Red
Sight Window	.71 x .50 in. 18.0 x 12.8mm
Adjustments	1 tick = 3 MOA
Adjustment Range	±75 MOA Elevation ±50 MOA Windage
Dimensions (LxWxH) (w/o mount)	1.8 x 0.95 x 0.97 in. 45 x 24 x 25mm
Weight (w/o mount)	1.2 oz. (w/ battery) 34g
Illumination Source	LED Powered by a CR2032 (Lithium Battery)
Battery Life	4+ years of continuous use, at setting 4 of 8
Brightness Settings	Automatic and 8 Adjustable Settings
Housing Material	7075-T6 Forged Aluminum Housing
Waterproof Rating	66 ft. (with included sealing plate) 20m

For available mounting adapters, please visit our website.

Controls & Indicators

- A: Elevation Adjuster
- B: Windage Adjuster
- C: Brightness Adjuster
- D: Eyepiece Lens

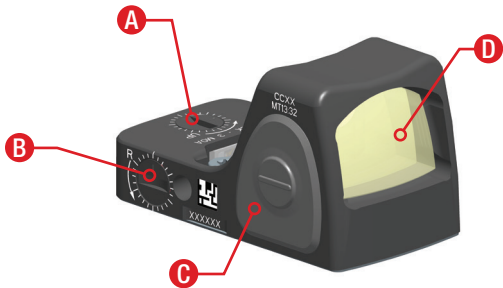
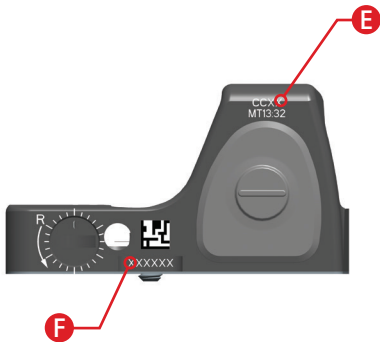


FIGURE 1

Identification & Markings



E: Model

F: Serial Number

FIGURE 2

Preparation for Use

Battery Installation

Install battery into sight so that the positive side (+) is facing up, and negative side (-) is facing down (as marked on the contact). Tilt and insert battery into place at the battery contacts (G) first, then gently press down rear to secure into place. See **Figure 3** and **4** for proper battery installation. Failure to install the battery properly may bend the contacts and prevent operation.



G Battery Contacts

FIGURE 3



FIGURE 4

Operation

The RMR[®]cc model uses one (1) CR2032 battery, included in the original packaging, to illuminate the reticle. The battery life is tested to provide over one year of “continuously on” illumination in normal operating conditions. Operating or storing the RMRcc in extreme temperatures and/or frequent use of brighter illumination settings will effect battery life.

Replace the battery once a year, or more often if frequently used on bright illumination settings. Note: the aiming dot does not immediately turn off when the battery life gets low, instead it gradually dims over time.

Illumination Controls

To turn the unit on, simply press 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 are what control the dot manual brightness. There are eight (8) brightness settings, one (1) being the dimmest and eight (8) being the brightest.

Settings 1 and 2 can be used with night vision devices. You may adjust as you see fit.

Operation

To place the unit in automatic brightness 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.

If the RMR^{cc} is manually set to any brightness level (and not “Locked-In”), the RMRcc is designed to reset the optic into the “default” automatic mode after a 16.5 hour time period. Each time you press a button, the automatic timer will reset to 16.5 hours. This timer adds the benefit of conserving battery power if the RMRcc is inadvertently left in the manual mode at a

high brightness setting for extended periods of time. Power savings is achieved when the RMRcc can dim the brightness level to a low power mode (setting 3) when in storage. Turning the RMRcc off when storing for long periods of time will also extend the battery life substantially.

Operation

Setting up Button “Lock-Out” Mode:

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

Resetting the RMR^{cc} into the “Default” Automatic Mode:

1. To regain manual adjustment, press and hold both buttons for at least three seconds to shut off the RMR^{cc}.
2. Press either the “-” or “+” button to turn RMR^{cc} on into the default automatic mode. You will now have the ability to adjust the brightness manually.

Setting up Manual Brightness “Lock-In” Mode:

1. The RMR^{cc} must be on and in the “Default” Automatic Mode (not in “Button Lock-out” Mode). Please see steps 1 & 2 of “Resetting the RMRcc into the “Default” Automatic Mode” on page 18).
2. Manually select the desired brightness setting and push either the “+” or “-” button and hold for 3 sec. The dot will flash, indicating that the chosen brightness setting is now Locked-in. Individual button presses are now Locked-out.

NOTE: The 16.5 hr. timer will be turned off and the RMRcc will stay in that brightness level setting until the battery is depleted or it is changed manually by the user.

Operation

To turn off the “Lock-in” Mode:

Press and hold both the “+” and “-” buttons for 1 sec to return to manual control.

To “Lock-in” a new brightness level:

Press and hold both the “+” and “-” buttons for 1 sec to return to manual control, choose a new brightness setting and then repeat step 2 in “Setting up Manual Brightness Lock-in Mode”.

Replacing Batteries

If the RMR[®]cc is on a mount, disassemble by removing the two RMRcc screws with the supplied Torx[®] wrench. Once the sight is removed, carefully lift the battery out of the battery compartment. Inspect the new battery to ensure there is no corrosion or damage. Install the battery into the sight using the procedures on page 12. Ensure the sight is now functioning and the dot illuminates.

NOTE: The battery may sit about .020" proud of the bottom of the RMRcc. This is by design to allow compression of the battery o-ring once the RMRcc is installed onto its mount.

Operation



FIGURE 5

It is recommended to use the Trijicon sealing plate supplied with the RMR[®]cc, to achieve a waterproof seal up to 66 ft. (20m).

Place the RMRcc back onto the mount or slide, aligning the holes on the sight with the holes in the mount and pressing down until the sight is fully seated (the sight should sit flush on the mount). Place the two RMRcc screws in place and tighten down with the supplied Torx[®] wrench. Optic attaches onto mounts via (2) #5 Torx[®] Socket Head Cap Screws with seal plate. Tighten fasteners to 18 in.-lbs. of torque.

Adjustment Procedures

The Trijicon RMR[®]cc 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 35.

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 6**). The laser etched tick marks on the housing along with the small indicator on the adjustment screw (**H**) can be used for adjustment reference. Adjustment increments are 3 MOA per tick mark, meaning that 1/3 of the distance between tick marks is required to move the bullet's impact one inch on a target at 100 yards.

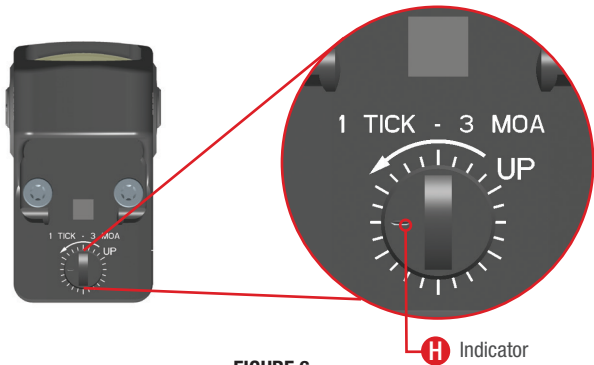


FIGURE 6

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 7**). The laser etched tick marks on the housing along with the small indicator on the adjustment screw (**I**) can be used for adjustment reference. Adjustment increments are 3 MOA per tick mark, meaning that 1/3 of the distance between tick marks is required to move the bullet's impact one inch on a target at 100 yards.

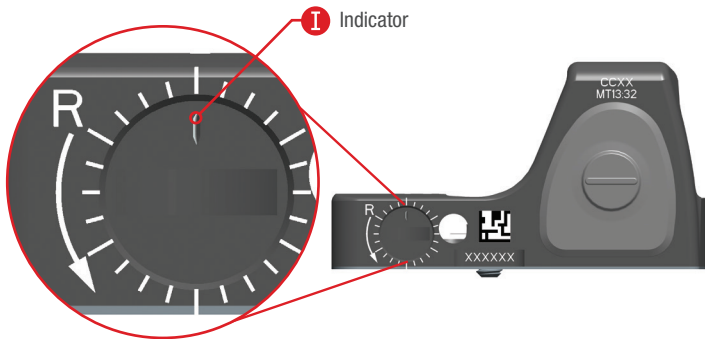


FIGURE 7

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 = 1/3 tick mark, which provides about 1 inch shift in bullet impact at 100 yards or 1 tick = 3/4 inch at 25 yards.

NOTE: Once the RMR[®]cc changes firearm platforms, it will need to be re-zeroed for the new firearm.

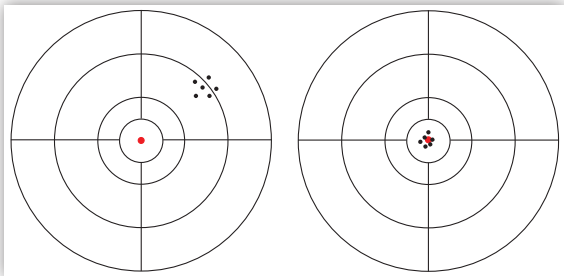


FIGURE 8

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 trijicon.com for all available mounts and accessories.

Troubleshooting

Please visit our FAQ page at 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.

Limited Lifetime Warranty

The original owner of the Trijicon® product 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 manufacturer's 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.

Patents & Trademarks

U.S. patents may apply to this product. For details, visit trijicon.com/patents.

Contact

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

1-800-338-0563
248-960-7700
Trijicon.com



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