Trijicon®

Brilliant Aiming Solutions™





Trijicon Tenmile®
Trijicon Tenmile® HX

Quick Reference Guide

General Information

⚠ WARNING

- **INGESTION HAZARD:** This product contains a button cell or coin battery.
- **DEATH** or serious injury can occur if ingested.
- A swallowed button cell or coin battery can cause **INTERNAL CHEMICAL BURNS** in as little as **2 HOURS.**
- **KEEP** new and used batteries **OUT OF REACH OF CHILDREN.**
- **SEEK IMMEDIATE MEDICAL ATTENTION** if a battery is suspected to be swallowed or inserted inside any part of the body.



⚠ Remove and immediately recycle or dispose of used batteries according to local regulations and keep away from children. Do NOT dispose of batteries in household trash or incinerate.

⚠ Even used batteries may cause severe injury or death.

⚠ Call a local poison control center for treatment information.

⚠ Compatible with 3.0 Vdc CR2032 batteries only.

⚠ Non-rechargeable batteries are not to be recharged.

Warnings & Cautions

- Do not force discharge, recharge, disassemble, heat above (manufacturer's specified temperature rating) or incinerate. Doing so may result in injury due to venting, leakage or explosion resulting in chemical burns.
- Ensure the batteries are installed correctly according to polarity (+ and –).
- Do not mix old and new batteries, different brands or types of batteries, such as alkaline, carbon-zinc, or rechargeable batteries.
- Remove and immediately recycle or dispose of batteries from equipment not used for an extended period of time according to local regulations.
- Always completely secure the battery compartment. If the battery compartment does not close securely, stop using the product, remove the batteries, and keep them away from children.

⚠ WARNING

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

⚠ WARNING

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

When mounting this Trijicon® product onto the rail of a firearm, do not tighten the mount screws beyond the recommended torque setting provided by the mount manufacturer. Damage may occur to the optic and/or zero retention may be negatively affected.

⚠ 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.

Science of Brilliant®



ALASKA-TO-AFRICA TEMPERATURE TESTED

To ensure each family of riflescopes is ready for whatever our users put them through, we perform "Alaska to Africa" temperature shock tests with temps from -20°F to 140°F.



IMMERSION TESTED

Each model is immersion tested, and every riflescope is dry-nitrogen filled to eliminate internal fogging.



SOLID ZERO TESTED

Every model is subjected to 5,000 consecutive rounds, confirming no reticle shift has occurred.



SHOCK & VIBRATION TESTED

All models are tested to withstand recoil and vibrational stresses without malfunction, so it can take a beating before, during and after use.



DROP TESTED

We don't believe every drop should be followed by a warranty claim, so we drop test each riflescope design to check durability.

Introduction

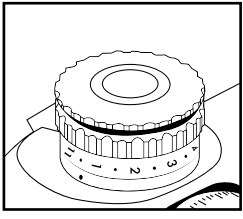
The Trijicon Tenmile® / Tenmile® HX is a versatile, variable powered riflescope with an electronically illuminated reticle. Featuring a high quality lens system with full multi-layer coatings, the Tenmile / Tenmile HX provides an incredibly clear sight picture. The reticle illumination is powered by a single CR2032 lithium battery and has an easy-to-operate brightness adjustment dial with ten brightness settings and an "off" feature between each setting. The Tenmile / Tenmile HX features a hard anodized aluminum body that protects against corrosion and is waterproof to a depth of ten feet (3m). With a generous adjustment range for windage and elevation, precise adjustment increments, and a resettable zero, the Tenmile / Tenmile HX riflescope delivers the features required for pinpoint accuracy.

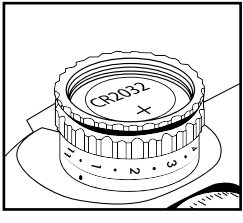
Each model features:

- Fully multi-coated broadband anti-reflective lenses with enhanced scratch resistance
- CR2032 battery illumination
- 10 brightness settings with "off" between each setting
- Precise, crisp adjusters
- Highly durable, aircraft-grade aluminum housing
- Waterproof to 10 ft. (3m)
- Dry-nitrogen filled to prevent internal fogging

Preparation for Use

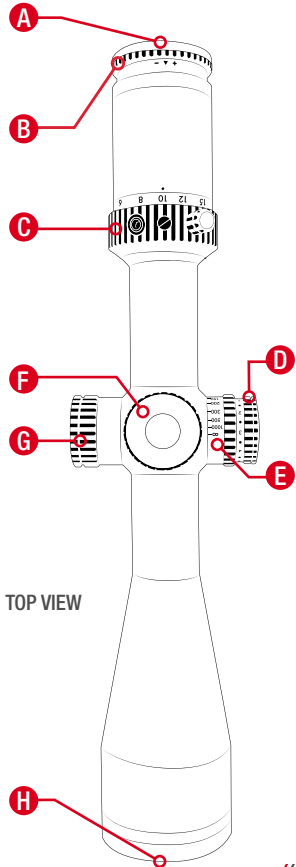
To unscrew the battery cap, hold the Brightness Adjustment Dial in place and turn the top cap counter-clockwise. Install the CR2032 battery into the battery compartment, positive side up. Inserting the battery improperly will keep the optic from illuminating.





Adjustment Procedures

- A Eyepiece Lens
- B Diopter Adjuster
- C Magnification Dial
- D Illumination Dial and Battery Cap
- E Parallax Adjuster
- F Elevation Adjuster
- G Windage Adjuster
- H Objective Lens



TOP VIEW

Adjustment Procedures

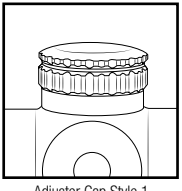
ZEROING THE RIFLESCOPE

There are two different types of adjusters in the Tenmile family. Capped adjusters are located under the removable turret cap. External adjusters allow you to adjust point of impact by rotating the exposed elevation turret and in some models also the external windage turret.

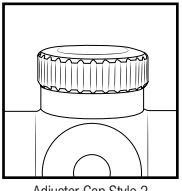
The riflescope is zeroed using either the adjusters located under the adjuster caps or by rotating the external adjuster if equipped. There are two adjusters, one for windage (right side of scope) and one for elevation (top). The arrows on the adjusters indicate direction to turn the adjusters in order to change bullet impact. For example, using the ¼ MOA per click adjuster, if the point of impact is two MOA to the left of the aiming point, the windage adjuster should be moved eight clicks in the direction marked R (Right). This will move the bullet impact two MOA to the right and onto the point of aim. Similarly, if the bullet impact is striking low on the target, move the elevation adjuster in the Up direction. Once the optic's elevation and windage is zeroed, reset the adjuster to zero. To prevent inadvertent loss of zero, equipped models have an elevation Return to Zero zero stop and Half Revolution Windage Restrictor.

CAPPED ADJUSTERS

With the adjuster cap removed, pull the adjustment dial out and it will spin freely, push down at the zero position. For adjustment dials with threaded top cap, remove top cap by holding main body and rotating top cap counter-clockwise. Once top cap removed, lift adjuster body off, set to zero and retighten top cap.



Adjuster Cap Style 1

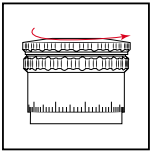


Adjuster Cap Style 2

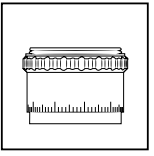
Adjustment Procedures

EXTERNAL ADJUSTERS / RETURN TO ZERO

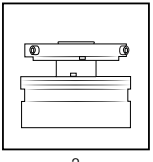
Once the rifle's elevation is zeroed, remove the adjuster turret by turning the threaded top cap counter-clockwise (1). Remove the top cap (2), remove the adjuster body (turret) (3), then loosen the three hex screws around the Return to Zero disk with the provided 1.5mm hex wrench. After loosening the hex screws, let the Return to Zero disc drop to the adjuster housing (4) and rotate clockwise (5) until the Return to Zero disk stops. Once the Return to Zero is set to the desired position, tighten the three hex screws to 5 in. oz. or finger tight using the 1.5mm hex wrench (6). To complete the Return to Zero adjustment, reinstall the adjuster body at the zero position (7), and reinstall the top cap (8).



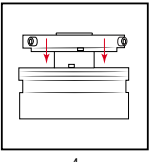
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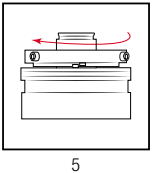
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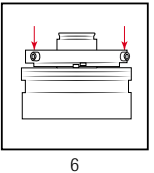
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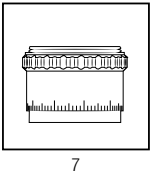
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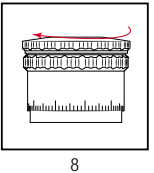
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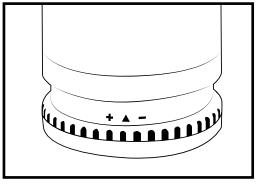


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Adjustment Procedures

DIOPTER ADJUSTER (EASY FOCUS EYEPIECE)

The Diopter Adjuster (B) allows the user to quickly match the user's prescription. Adjustments are made by simply turning the Diopter Adjuster in the direction which brings the reticle into focus. An indicator (+ / –) is a useful reference point for returning the focus to your customized position.



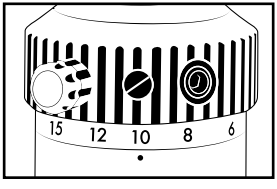
ADJUSTABLE BRIGHTNESS

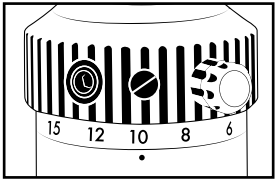
The Brightness Adjustment Dial is located on the left side of the housing and is equipped with an “OFF” setting between each of the brightness settings. This enables the user to be able to easily switch the unit on or off and return to the last brightness setting. The brightness adjustment for the optic has ten settings, (1) being the dimmest and (10) the brightest. If a dual color offering, there will be ten settings, five of each color, with (1) being the dimmest and (5) brightest for each color. Turn the Brightness Adjustment Dial to the preferred brightness setting based on conditions.

Adjustment Procedures

MAGNIFICATION DIAL

Trijicon Tenmile riflescopes are available in various ranges of magnification. Magnification is selected by rotating the Magnification Dial (C), aligning the white indicator marking with the number on the riflescope housing. Some models are equipped with a 2-position repositionable magnification lever. This lever is threaded in and can be moved to the other position by removing the filler screw with the supplied 3mm Allen key, tightening the lever into place, and reinstalling the filler screw in the vacant screw hole.





SIDE PARALLAX ADJUSTMENT

Parallax is the perceptible movement of the reticle on the target as the shooter moves their head up and down, or side to side. Parallax adjustment can improve accuracy. Adjustment is recommended at all distances to improve accuracy.

Checking parallax is done by slightly lifting your head off of the stock and moving your head left and right and up and down while looking though the scope. Does the reticle appear to move while it is placed on the target? If so, rotate the side Parallax Adjustment knob until parallax or reticle movement is minimized. There are yardage indicators on the Parallax Adjustment knob that serve as approximations. For example, if target is 300 yards away, rotate Parallax Adjustment to the 300 mark and make fine tuning adjustments by viewing through scope.

You may notice your Field of View (FOV) is more focused when making parallax adjustment. The key point is to make sure the reticle is not moving instead of concentrating on how sharp your image is. If your reticle parallax is correct, your target should be sharp and in focus.

Characteristics

	3-18x44 TM1844 Series TMHX1844 Series	4-24x50 TM42450 Series
Magnification Range	3 - 18x	4 - 24x
Objective Lens Size	44mm	50mm
Eye Relief	3.4 - 3.9 in. 87 - 100mm	3.1 - 3.8 in. 78 - 96mm
Exit Pupil	.45 - .09 in. 11.4 - 2.4mm	.33 - .08 in. 8.5 - 2.1mm
Field of View (Degrees)	6.73° - 1.12°	5.43° - 0.91°
Field of View (@ 100 yd.) (@ 100m)	35.3 - 5.9 ft. 11.8 - 2.0m	28.5 - 4.7 ft. 9.5 - 1.6m
Adjustments	1/4 MOA per click 0.1 MRAD per click	0.1 MRAD per click
Total Adjustment Range Windage	60 MOA 17.4 MRAD	20 MRAD
Total Adjustment Range Elevation	60 MOA 17.4 MRAD	29 MRAD
Return to Zero	Yes	Yes
Focal Plane	First	Second
Dimensions (L x W x H)	15.02 x 3.26 x 2.4 in.	14.45 x 3.26 x 2.37 in.
Weight	24.4 oz.	25.7 oz.
Tube Diameter	30mm	30mm



	4.5-30x56 TM3056 Series	5-25x50 FFP TMHX2550 Series
Magnification Range	4.5 - 30x	5 - 25x
Objective Lens Size	56mm	50mm
Eye Relief	3.2 - 3.8 in. 82 - 97mm	3.03 – 3.62 in. 77 – 92mm
Exit Pupil	.35 - .07 in. 8.8 - 1.9mm	0.26 – 0.08 in. 6.5 – 2.0mm
Field of View (Degrees)	4.7° - 0.7°	4.46° – 0.89°
Field of View (@ 100 yd.) (@ 100m)	24.7 - 3.7 ft. 8.2 - 1.2m	23.3 ft. – 4.7 ft. 7.8m – 1.6m
Adjustments	1/4 MOA per click 0.1 MRAD per click	1/4 MOA per click
Total Adjustment Range Windage	50 MOA 14.5 MRAD	50 MOA
Total Adjustment Range Elevation	100 MOA 29.1 MRAD	80 MOA
Return to Zero	Yes	Yes
Focal Plane	First / Second	First
Dimensions (L x W x H)	14.23 - 14.33 x 3.63 x 2.9 in.	14.25 x 3.3 x 2.8 in.
Weight	36 oz.	28.9 oz.
Tube Diameter	34mm	30mm

Characteristics

	5-25x50 SFP TM2550 Series TMHX2550 Series	5-50x56 TM5056 Series
Magnification Range	5 - 25x	5 - 50x
Objective Lens Size	50mm	56mm
Eye Relief	2.9 - 3.9 in. 73 - 99mm	3.5 - 3.9 in. 89 - 100mm
Exit Pupil	.39 - .08 in. 10 - 2mm	.28 - .04 in. 7.2 - 1.1mm
Field of View (Degrees)	3.83 - 0.77°	4° - 0.41°
Field of View (@ 100 yd.) (@ 100m)	20.1 - 4 ft. 6.7 - 1.3m	21.2 - 2.1 ft. 7.1 - .7m
Adjustments	1/4 MOA per click 0.1 MRAD per click	1/8 MOA per click .05 MRAD per click
Total Adjustment Range Windage	40 MOA 11.6 MRAD	50 MOA 14.5 MRAD
Total Adjustment Range Elevation	50 MOA 14.5 MRAD	100 MOA 29.1 MRAD
Return to Zero	Yes	Yes
Focal Plane	Second	Second
Dimensions (L x W x H)	13.5 x 3.3 x 2.8 in.	16 x 3.6 x 2.9 in.
Weight	25.6 oz.	38.4 oz.
Tube Diameter	30mm	34mm



	6-24x50 TM62450 Series TMHX2450 Series
Magnification Range	6 - 24x
Objective Lens Size	50mm
Eye Relief	3.1 - 3.8 in. 79 - 96mm
Exit Pupil	.29 - .08 in. 7.5 - 2.1mm
Field of View (Degrees)	3.62° - 0.91°
Field of View (@ 100 yd.) (@ 100m)	19 - 4.7 ft. 6.3 - 1.6m
Adjustments	1/4 MOA per click 0.1 MRAD per click
Total Adjustment Range Windage	70 MOA 20.4 MRAD
Total Adjustment Range Elevation	70 MOA 20.4 MRAD
Return to Zero	No
Focal Plane	Second
Dimensions (L x W x H)	14.45 x 3.05 x 2.14 in.
Weight	24.9 oz.
Tube Diameter	30mm

Maintenance

This Trijicon® product requires very little maintenance. If the lenses become dirty, wash using fresh water and a soft clean cloth. Remove all foreign matter from the lens surface fully before wiping them with a soft 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 if desired.

Troubleshooting

For additional information, product downloads, or answers to Frequently Asked Questions (FAQ) visit trijicon.com. Please contact our Customer Service Department for other product service inquiries at 1-800-338-0563 or email us at info@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 specially 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 Service and Repair 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.

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