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TRUGLO TG8040B

TRUGLO Traditional 5 MOA 40mm Red Dot Sight User Manual

Model: TG8040B | Brand: TRUGLO

1. Introduction and Overview

The TRUGLO Traditional 1x40mm Red-Dot Sight is engineered for precision and durability, making it an ideal choice for various shooting applications. This sight features a 1x40mm objective lens and a 5-MOA reticle, designed for rapid target acquisition. Its robust construction ensures reliable performance in diverse environmental conditions.
Key design elements include unlimited eye relief, a wide field of view, and user-friendly windage and elevation adjustments. The sight is built with CNC-machined aircraft-grade aluminum, ensuring it is lightweight yet highly resistant to water, shock, and fog. Integrated Weaver-style mounting system allows for easy installation on compatible firearms, airguns, and crossbows.

2. Product Features

- **40mm Objective Lens:** Provides a clear and wide field of view.
- **5-MOA Reticle:** Designed for quick and efficient target acquisition.
- **Unlimited Eye Relief:** Offers flexibility in mounting and comfortable viewing.
- **Click Windage and Elevation Adjustments:** Allows for precise zeroing and adjustments.
- **Rheostat Controlled Brightness Settings:** Adjustable illumination for various lighting conditions.
- **Flip-Up Lens Caps:** Protects the objective and ocular lenses from dust and scratches.
- **Retention Lanyards:** Keeps windage and elevation caps secure.
- **Integrated Weaver-Style Mounting System:** Ensures easy and secure attachment.
- **Durable Construction:** Water-resistant, shock-resistant, and fog-proof CNC-machined aircraft-grade aluminum housing.
- **Versatile Compatibility:** Suitable for handguns, shotguns, rifles, and crossbows.

3. Package Contents

Upon opening your TRUGLO Traditional Red Dot Sight package, please verify that all components are present and in good condition:

- TRUGLO Traditional 5 MOA 40mm Red Dot Sight (TG8040B)
- Flip-up Lens Caps
- Retention Lanyards for Windage and Elevation Caps
- Mounting Hardware (Integrated Weaver-style mounting system)
- User Manual (this document)

If any items are missing or damaged, please contact TRUGLO customer support immediately.

4. Setup

4.1. Battery Installation

The TRUGLO Red Dot Sight requires a CR2032 battery (not always included). To install or replace the battery:

1. Locate the battery compartment cap, usually on the side or top of the sight.
2. Unscrew the cap counter-clockwise.
3. Insert the CR2032 battery with the positive (+) side facing outwards.
4. Screw the cap back on clockwise until snug, ensuring a watertight seal. Do not overtighten.

4.2. Mounting the Sight

The sight features an integrated Weaver-style mounting system for easy attachment to compatible rails.

1. Ensure your firearm is unloaded and pointed in a safe direction.
2. Loosen the mounting screws on the base of the red dot sight.
3. Align the sight's base with the Weaver or Picatinny rail on your firearm.
4. Slide the sight onto the rail until it is in the desired position.
5. Tighten the mounting screws evenly and securely. Do not overtighten, as this can damage the rail or sight.
6. Verify that the sight is firmly attached and does not wobble.



Figure 1: TRUGLO Traditional Red Dot Sight with flip-up lens caps open, showing the overall design and integrated mounting system.

5. Operating Instructions

5.1. Powering On/Off and Brightness Adjustment

The sight features a rheostat control for turning the unit on/off and adjusting the brightness of the reticle.

1. Rotate the rheostat knob (typically located on the top or side of the sight) clockwise to turn the sight on and increase brightness.
2. Rotate the knob counter-clockwise to decrease brightness and turn the sight off.
3. The sight offers multiple brightness settings to adapt to various lighting conditions, from low light to bright daylight.



Figure 2: Top view illustrating the rheostat control for brightness adjustment and power.

5.2. Reticle Color Selection (if applicable)

Some models of the Traditional Red Dot Sight may offer both red and green reticle options. This is typically controlled by a switch or a specific setting on the rheostat knob.

- Consult your specific model's markings on the rheostat or a dedicated switch to toggle between red and green illumination.
- Choose the color that provides the best contrast against your target and background.



Figure 3: Illustration of the 5-MOA red dot reticle as seen through the sight.

5.3. Windage and Elevation Adjustments

The sight features precise click adjustments for windage (horizontal) and elevation (vertical) to zero your sight to your firearm.

1. Locate the windage and elevation adjustment turrets. The elevation turret is typically on top, and the windage turret on the side.
2. Remove the protective caps from the turrets. These caps often have retention lanyards to prevent loss.
3. Use a flathead screwdriver, a coin, or the cap itself (if designed) to turn the adjustment turrets.
4. Each click represents a specific change in point of impact (e.g., 1 MOA per click). Refer to the markings on the turrets for direction (e.g., "UP" for elevation, "R" for right windage).
5. After zeroing, replace the protective caps to prevent accidental adjustments and protect the turrets.



Figure 4: Side view highlighting the windage adjustment turret.

6. Maintenance

Proper maintenance will ensure the longevity and optimal performance of your TRUGLO Red Dot Sight.

- **Cleaning Lenses:** Use a soft, lint-free cloth or a lens pen to clean the optical surfaces. Avoid using harsh chemicals or abrasive materials. Gently wipe away dust and smudges.
- **Cleaning Body:** Wipe the exterior of the sight with a damp cloth to remove dirt and debris. Dry thoroughly.
- **Storage:** When not in use, store the sight in a cool, dry place. Engage the flip-up lens caps to protect the lenses. For long-term storage, consider removing the battery to prevent corrosion.
- **Water and Shock Resistance:** While the sight is designed to be water and shock resistant, avoid prolonged submersion or excessive impact to maintain its integrity.

7. Troubleshooting

If you encounter issues with your TRUGLO Red Dot Sight, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Red dot is dim or not visible.	Low battery, incorrect brightness setting, or dirty lens.	Replace battery. Increase brightness using the rheostat knob. Clean the objective lens.
Red dot appears distorted or blurry.	Astigmatism (user's eye), dirty lens, or excessive brightness.	This can sometimes be an optical illusion due to astigmatism; try viewing through a small aperture (e.g., a pinhole in paper). Clean the lens. Reduce brightness.
Sight does not hold zero.	Improper mounting, loose components, or damaged sight.	Ensure mounting screws are securely tightened. Check for any loose parts. If the issue persists, contact customer support.
Adjustment turrets are stiff or not clicking.	Debris in mechanism or overtightened caps.	Ensure caps are fully removed. Gently try to turn. Do not force. Contact customer support if stuck.

8. Specifications

Feature	Detail
Brand	TRUGLO
Model Name	Traditional Hunting Fogproof Shock Resistant Adjustable Aluminum Red-Dot Sight
Model Number	TG8040B
Objective Lens Diameter	40 Millimeters
Magnification	1x
Reticle	5-MOA Red Dot
Color	Multi (referring to reticle color options)
Material	CNC-machined Aircraft Grade Aluminum
Item Weight	11.2 ounces
Mounting Type	Weaver Mount (Integrated)
Compatible Devices	Handgun, Shotgun, Rifle, Cross Bow
Resistance	Water-resistant, Shock-resistant, Fogproof
UPC	788130090787

9. Safety Information

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Always handle firearms and accessories responsibly. Follow all local, state, and federal laws regarding firearm ownership and use. Ensure your firearm is unloaded and safe before installing or adjusting any accessories. Always wear appropriate eye and ear protection when shooting.

10. Warranty and Support

TRUGLO stands behind the quality of its products. For specific warranty details, claims, or technical support, please visit the official TRUGLO website or contact their customer service department directly.
You can find more information and contact details by visiting theTRUGLO Store on Amazon or their official company website.

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Can I get a replacement battery cover for a TRUGLO shotgun red dot scope?

TRUGLO does not typically sell individual replacement battery caps directly through standard retail channels, but you can often obtain one by contacting their customer support team directly. Since your scope features a side-mounted battery...

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