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Triton REC45

Triton Recon45 Ultra-Compact Digital NV 1-6x LPVO Day/Night Rifle Scope Instruction Manual

Model: REC45

1. Introduction

The Triton Recon45 is an ultra-compact digital night vision 1-6x Low Power Variable Optic (LPVO) designed for both day and night operation. This versatile optic integrates digital night vision, an IR illuminator, and a tactical camera into a single, lightweight unit. This manual provides essential information for the proper setup, operation, and maintenance of your Recon45 to ensure optimal performance and longevity.



Figure 1: The Triton Recon45 Ultra-Compact Digital Night Vision LPVO.

2. What's in the Box

Upon opening your Triton Recon45 package, please verify that all components listed below are present:

- Triton Recon45 Optic
- Offset Picatinny Mount
- Mounting Hardware
- 32GB MicroSD Card

- Instruction Manual (this document)

Your browser does not support the video tag.

Video 1: Unboxing the Triton Recon45, showing included components.

3. Setup

3.1 Mounting the Optic

The Recon45 includes an offset Picatinny mount for easy integration with standard Picatinny rails.

1. Identify the desired mounting position on your Picatinny rail.
2. Align the offset mount with the rail slots.
3. Secure the mount using the provided hardware, ensuring it is tightened to the manufacturer's recommended torque specifications (refer to your firearm's manual for specific rail torque values).
4. Attach the Recon45 optic to the mount, ensuring a firm and stable connection.



Figure 2: The Recon45 attached to the offset Picatinny mount.

3.2 Battery Installation and Charging

The Recon45 is powered by dual CR123A rechargeable batteries. Ensure batteries are fully charged before initial use.

1. Locate the battery compartment on the device.
2. Insert the CR123A batteries according to the polarity indicators.
3. Close the battery compartment securely.
4. To charge, connect the device to a power source using the provided USB cable. The charging indicator will show

the charging status.

3.3 MicroSD Card Insertion

A 32GB MicroSD card is included for recording video and capturing still images.

1. Locate the MicroSD card slot on the side of the Recon45.
2. Gently insert the MicroSD card until it clicks into place.
3. To remove, press the card inward until it springs out.



Figure 3: The Recon45 with the MicroSD card slot visible for recording.

4. Operating Instructions

4.1 Power On/Off

To power on the Recon45, press and hold the power button (usually marked with a circle and a vertical line) for a few seconds until the display activates. To power off, press and hold the power button again until the device shuts down.

4.2 Day and Night Vision Modes

The Recon45 features both day and digital night vision modes.

- **Day Mode:** Provides a clear, full-color image for daytime use.
- **Night Vision Mode:** Activates for low-light and no-light conditions. This mode can be toggled via a dedicated button or menu option.

4.3 IR Illuminator

The integrated IR illuminator enhances visibility in total darkness. Activate the IR illuminator when in night vision mode for improved image clarity and range. The intensity of the IR illuminator may be adjustable through the device's menu.



Figure 4: The Recon45 features built-in IR and 1-6x digital zoom for enhanced viewing.

4.4 Magnification Adjustment

The Recon45 offers 1-6x digital magnification. Use the designated zoom buttons (often marked with '+' and '-' or arrow icons) to adjust the magnification level.

4.5 Reticle Selection and Adjustment

The optic features multiple reticle options, including CQB-D, CQB-S, and CQB-X, designed for rapid targeting.

- Access the reticle menu through the device controls.
- Select your preferred reticle pattern.
- Adjust brightness and zeroing settings as needed.

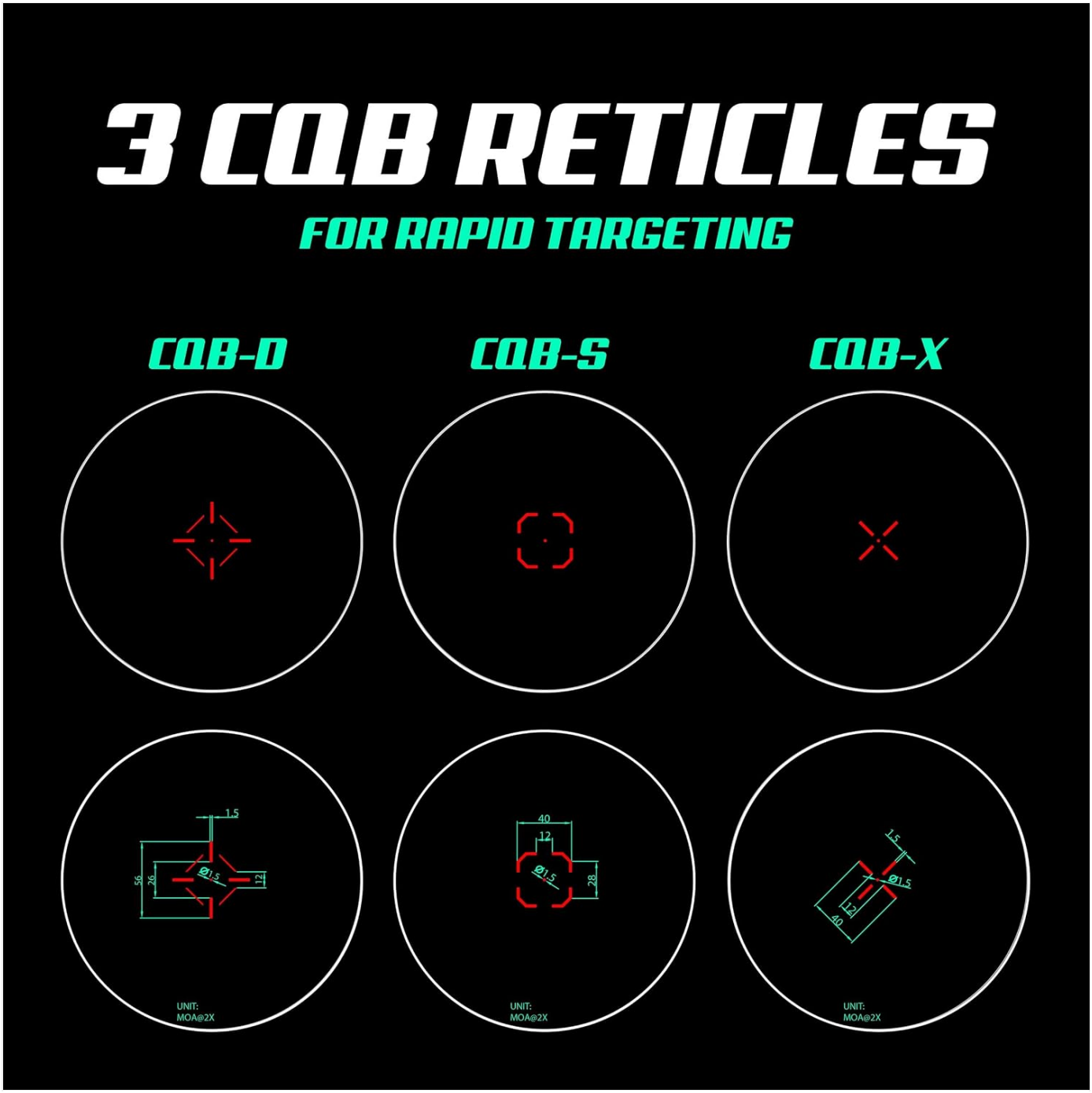


Figure 5: Available CQB reticle patterns for the Recon45.

4.6 Video Recording and Image Capture

The Recon45 can record 1080p video and capture still images directly to the inserted 32GB MicroSD card.

- Press the designated record button to start/stop video recording.
- Press the designated photo button to capture a still image.
- Files are saved automatically to the MicroSD card.



Figure 6: The control panel of the Recon45, designed for intuitive operation.

5. Maintenance

5.1 Cleaning the Lenses

To maintain optimal image clarity, keep the lenses clean.

- Use a soft, lint-free cloth or a lens brush to remove dust and loose debris.
- For smudges or fingerprints, use a lens cleaning solution specifically designed for optics and a clean microfiber cloth.
- Avoid using abrasive materials or harsh chemicals, as these can damage the lens coatings.

5.2 General Care

- Store the Recon45 in a dry, cool place away from direct sunlight.
- Ensure the battery compartment is sealed when not in use or in adverse weather conditions.

- Avoid dropping or subjecting the device to severe impacts, although it is designed to meet MIL-STD-810 standards for shock and vibration.

6. Troubleshooting

Problem	Possible Cause	Solution
Device does not power on.	Low or depleted batteries; incorrectly inserted batteries.	Charge batteries fully. Ensure batteries are inserted with correct polarity.
Poor image quality in night vision mode.	IR illuminator off; dirty lenses; insufficient ambient light.	Activate IR illuminator. Clean lenses. Ensure sufficient IR illumination for total darkness.
Cannot record video or capture images.	MicroSD card full or not inserted correctly; card error.	Check MicroSD card insertion. Format or replace MicroSD card. Ensure sufficient storage space.
Buttons are unresponsive.	Device frozen; low battery.	Perform a soft reset (refer to specific device instructions if available). Charge batteries.

7. Specifications



Figure 7: Physical dimensions and key specifications of the Recon45.

Feature	Detail
Model Name	Recon45
Magnification	1x - 6x Digital
IR Range	Up to 700 yards
Power Source	Dual CR123A Rechargeable Batteries
Recording Resolution	1920x1080 Full HD
Storage	Micro-SD (32GB included)
Weight	7.8 oz

Feature	Detail
Reticle Type	Duplex (Multi-Reticle Options)
Mounting Type	Picatinny Mount, Weaver Mount (Offset Picatinny Mount Included)
Material	Acrylonitrile Butadiene Styrene, Aluminum, Glass, Silicone
Environmental Protection	IP64-rated dust and water spray protection
Shock & Vibration	Designed to meet MIL-STD-810 standards

8. Warranty and Support

8.1 Lifetime Warranty

The Triton Recon45 is backed by a zero-registration lifetime warranty. This warranty covers any manufacturer defects. No serial numbers or forms are required for coverage.

8.2 Customer Support

For technical assistance, warranty claims, or any questions regarding your Triton Recon45, please contact Triton customer support.

Contact Information:

Please refer to the official Triton website or your purchase documentation for the most current customer support contact details.

Visit the Triton Store on Amazon

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