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ATN ATN ThOR 4 1.5-15x HD Thermal Rifle Scope

ATN Thor 4 Thermal Rifle Scope User Manual

Model: ATN ThOR 4 1.5-15x HD Thermal Rifle Scope

Brand: ATN

INTRODUCTION

The ATN Thor 4 Thermal Rifle Scope is an advanced optical device designed for enhanced shooting performance, particularly in low-light or challenging visibility conditions. It features a highly sensitive thermal sensor with a 60 Hz refresh rate, providing clear and crisp thermal images. This manual provides essential information for the proper setup, operation, and maintenance of your ATN Thor 4.



Figure 1: The ATN Thor 4 Thermal Rifle Scope, showcasing its compact design and primary optical components.

KEY FEATURES

- **Ultra-Sensitive Next Gen Sensor:** Detects animal heat signatures with a 60Hz refresh rate for long-range performance.
- **Multiple Color Modes:** Includes Black Hot, White Hot, and various color palettes for diverse environmental conditions.
- **Smart Features:** Integrated Video Recording at 60 FPS, Dual-Stream via Wi-Fi, Ballistic Calculator, Smart Rangefinder, and Smart Mil Dot Reticle.
- **Built-in Ballistics Calculator:** Allows setup of up to 6 profiles, accounting for range, angle to target, temperature, humidity, and more for precise shot placement.
- **Ergonomic Design:** Classic design with a user-friendly interface and wide field of view, easily mountable with 30 mm standard mount rings.
- **Extended Battery Life:** Industry-leading power management system provides 16+ hours of operation.
- **Comfortable Eye Relief:** Features a 90mm eye relief for comfortable viewing.

SETUP

1. Unpacking and Inspection

Carefully remove the ATN Thor 4 from its packaging. Inspect the scope for any signs of damage. Ensure all components listed in the packing slip are present.

2. Battery Installation

The ATN Thor 4 is powered by an internal battery system. Ensure the device is fully charged before first use to achieve the advertised 16+ hours of battery life. Refer to the charging port location, typically found on the side or bottom of the unit, and use the provided charging cable.

3. Mounting the Scope

The ATN Thor 4 is designed to be mounted on a rifle using 30 mm standard mount rings. Follow these steps for secure mounting:

1. Attach the 30 mm mount rings to your rifle's picatinny rail or compatible mounting system. Ensure they are spaced appropriately for optimal balance and eye relief.
2. Place the ATN Thor 4 into the lower halves of the mount rings.
3. Position the scope to achieve a comfortable 90mm eye relief when shouldering the rifle.
4. Secure the top halves of the mount rings, tightening the screws evenly to prevent damage to the scope tube. Do not overtighten.
5. Verify the scope is level and securely fastened before proceeding to zeroing.

4. Micro SD Card Insertion

To enable video recording and photo capture, insert a Micro SD card (up to 64GB) into the designated slot. Ensure the card is inserted correctly until it clicks into place. Format the card through the scope's menu system before first use.

OPERATING INSTRUCTIONS

1. Power On/Off

To power on the ATN Thor 4, press and hold the power button located on the control panel until the display illuminates. To power off, press and hold the power button again until the shutdown sequence initiates.

2. Navigating the Menu

The ATN Thor 4 features an intuitive menu system controlled by a series of buttons. Use the directional buttons to navigate through options and the central button to select. A quick press of the central button often brings up a quick menu for common functions.

3. Thermal Viewing Modes

The scope offers various thermal viewing modes to adapt to different environments and preferences:

- **Black Hot:** Hot objects appear black against a lighter background.
- **White Hot:** Hot objects appear white against a darker background.
- **Color Palettes:** Various color schemes highlight temperature differences, useful for identifying specific heat signatures.

Switch between these modes via the quick menu or main settings.

4. Zoom Functionality

The ATN Thor 4 supports a thermal imaging zoom range from 1.25-5x to 4-40x magnification. Use the zoom buttons (typically marked with '+' and '-') to adjust the magnification level. The smooth zoom feature ensures a fluid transition between magnifications.

5. Ballistics Calculator

The integrated Ballistics Calculator is a key feature for precise shooting. To use:

1. Access the Ballistics Calculator from the main menu.
2. Set up a new profile or select an existing one (up to 6 profiles can be stored).
3. Input relevant environmental data such as range to target (using the Smart Rangefinder), angle to target, temperature, humidity, and wind speed/direction.
4. The calculator will provide real-time point of impact (POI) correction, adjusting the reticle position for an accurate shot.

6. Video Recording and Photo Capture

The ATN Thor 4 can record video at 60 FPS and capture still images directly to the inserted Micro SD card. It also features Recoil Activated Video (RAV), which automatically records a short video clip before and after a shot is fired.

- **Manual Recording:** Press the dedicated record button to start/stop video recording.
- **Recoil Activated Video (RAV):** Enable this feature in the settings. The scope will automatically capture footage around your shot.
- **Photo Capture:** Press the photo button to take a still image.

7. Wi-Fi and Smartphone Control

The scope supports Dual-Stream Wi-Fi, allowing you to connect your smartphone or tablet via the ATN Obsidian app (available for iOS and Android). This enables live streaming, remote control of scope functions, and access to recorded media.

1. Download the ATN Obsidian app from your device's app store.
2. Enable Wi-Fi on your ATN Thor 4 through the settings menu.
3. Connect your smartphone to the scope's Wi-Fi network (SSID and password typically displayed on the scope's screen).
4. Launch the Obsidian app to begin controlling your scope remotely.

No official product videos from the seller were provided for embedding in this manual.

MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your ATN Thor 4 Thermal Rifle Scope.

- **Cleaning the Lenses:** Use a soft, lint-free cloth specifically designed for optics. Gently wipe away dust and debris. For stubborn smudges, use a small amount of lens cleaning solution applied to the cloth, not directly to the lens.
- **Cleaning the Body:** Wipe the scope's body with a damp cloth to remove dirt. Avoid using harsh chemicals or abrasive materials.
- **Storage:** Store the scope in a cool, dry place, away from direct sunlight and extreme temperatures. Use the provided protective caps for the lenses when not in use.

- **Battery Care:** For long-term storage, ensure the battery is partially charged (around 50%) to preserve its lifespan. Avoid fully discharging the battery for extended periods.

TROUBLESHOOTING

This section addresses common issues you might encounter with your ATN Thor 4. If the problem persists, contact ATN customer support.

| Problem | Possible Cause | Solution |
|--------------------------------------|---|--|
| Device does not power on. | Low or depleted battery. | Charge the device fully. Ensure charging cable is properly connected. |
| Poor image quality / blurry display. | Dirty lens; improper focus; environmental conditions. | Clean the objective lens. Adjust the focus ring. Thermal performance can be affected by fog, rain, or extreme humidity. |
| Wi-Fi connection issues. | Wi-Fi not enabled on scope; incorrect password; app issues. | Ensure Wi-Fi is enabled on the scope. Verify the Wi-Fi password. Restart both the scope and your smartphone/tablet. Reinstall the ATN Obsidian app if necessary. |
| Video recording not working. | No Micro SD card; full Micro SD card; corrupted card. | Insert a Micro SD card. Check available storage. Format the Micro SD card (this will erase all data). Try a different Micro SD card. |

SPECIFICATIONS

| Feature | Detail |
|---------------------|---|
| Model Name | ATN ThOR 4 1.5-15x HD Thermal Rifle Scope |
| Color | Black |
| Style | Thermal |
| Sport | Hunting, Airsoft |
| Compatible Devices | Rifle |
| Mounting Type | Cantilever Mount |
| Night Vision | Yes |
| Eye Relief | 90 Millimeters |
| Reticle Type | Smart Mil Dot Reticle |
| Sensor Refresh Rate | 60 Hz |

| Feature | Detail |
|----------------------------|--------------------------------------|
| Video Recording | 60 FPS, Recoil Activated Video (RAV) |
| Wi-Fi | Dual-Stream via Wi-Fi |
| Ballistics Calculator | Built-in, 6 profiles |
| Max Micro SD Card Capacity | 64GB |
| Battery Life | 16+ hours |

WARRANTY AND SUPPORT

For detailed warranty information, please refer to the warranty card included with your product or visit the official ATN website. ATN provides customer support for technical assistance and service inquiries.

You can also refer to the official User Manual PDF for more in-depth information [ATN Thor 4 User Manual \(PDF\)](#)

ITAR Product: This product is restricted for export.

