BlazeTrek Gen 6

THERMAL MONOCULAR

MANUAL

AMERICAN
TECHNOLOGIES
NETWORK CORP.

Welcome to the ATN Family!

Thank you for choosing the **BlazeTrek Thermal Monocular!**

This manual will guide you through the setup, operation and maintenance of your device to ensure optimal performance and long service life.

Please read this manual carefully before using the product and retain it for future reference.

REVISION HISTORY

Version	Revision Text	Released
V1.0.0	First release	November 2025

ABOUT THIS MANUAL

- This manual is provided **for reference only**. Minor differences may exist between the descriptions in this manual and the actual product.
- We are **not liable for any loss or damage** resulting from operation of the product in ways that are not in accordance with this manual.
- The manual may be updated in accordance with the latest **laws, regulations, or product revisions**. For detailed or updated information, please refer to the printed manual, QR code, or our official website.
- All **designs, features, and software** are subject to change without prior notice. Product updates may result in differences between your device and the information in this document.
- **Printing errors or discrepancies** in function descriptions, operations, or technical data may occur. In case of doubt or dispute, we reserve the right of final interpretation.
- If the PDF version of this manual cannot be opened, please **update your reader software** or try another standard PDF reader.
- All **trademarks and registered trademarks** mentioned in this manual are the property of their respective owners.
- If any issues occur while using the device, please **contact your supplier, local distributor, or customer service** for assistance.
- In the event of any uncertainty or disagreement, the manufacturer reserves the **right of final explanation**.

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1. PRODUCT INTRODUCTION

The **BlazeTrek Thermal Monocular** provides high-precision thermal imaging with exceptional clarity and a fast frame rate, ensuring smooth and accurate target tracking even in dynamic environments.

Designed for continuous operation under all lighting and weather conditions, the monocular detects the thermal signatures of objects, animals, and structures in complete darkness, fog, haze, or intense light — maintaining optimal situational awareness in every scenario.

Built for demanding field applications, the **BlazeTrek** delivers reliable performance, advanced image processing, and consistent visual quality across a wide range of operational environments.

2. PRODUCT OVERVIEW

2.1 UNPACKING

The following steps must be performed before using the device:

1. Open packaging box, remove BlazeTrek and check the contents.
   - USB type-C
   - Wristband
   - Lanyard
   - Lens Cloth
   - Monocular Pouch
   - Manual
2. Make sure that nothing is missing.
3. Inspect the device for damage to optical surfaces, body, eyecups, operation buttons, etc.
4. Ensure that all optical surfaces are clean and ready for use.

NOTE

If any accessories are missing or broken contact ATN's Customer Service at 1.800.910.2862.

2.2 DEVICE DESCRIPTION

CAUTION!

THIS PRODUCT CONTAINS NATURAL RUBBER LATEX, WHICH MAY CAUSE ALLERGIC REACTIONS

Table 2.2.1 Button description

Button	Current Status	Short Press	Long Press
POWER BUTTON	Powered off	——	Power on the device
	Home screen	Device enters into Standby mode	• On the Home screen, a 3-2-1 countdown prompt appears. • When the countdown completes, the device will power off.
	Main menu interface	Return to home screen	——
UP BUTTON	Home screen	Take a photo	Start/Stop video recording
	Main menu interface	Move up in the menu	——
SELECT BUTTON	Home screen	Change palette	Enter Main menu
	Main menu interface	Adjust parameters / Enter the submenu	Return to Main Menu
	Pixel Correction interface	Switch the movement direction	Save and back
DOWN BUTTON	Home screen	Zoom in/ return to base zoom	NUC device
	Main Menu interface	Move down in the menu	——

2.3 SPECIFICATIONS

Specifications	BlazeTrek 319	BlazeTrek 325	BlazeTrek 619	BlazeTrek 625
Detector Type	12µm VOx Uncooled Focal Plane Array			
Sensor Resolution	384x288	384x288	640x512	640x512
Refresh Rate	50 Hz			
Thermal Sensitivity (NETD)	≤18mK			
SharpIR©	Yes			
Field of View (HxV)	14.4° x 10.8°	10.9° x 8.2°	22.8° x 18.3°	17.5° x 14°
Lens System	19mm (Ge); F/1.0	25mm (Ge); F/1.0	19mm (Ge); F/1.0	25mm (Ge); F/1.0
Detection Range	1000 m	1300 m	1000 m	1300 m
Magnification	2.25-18x	2.8-22x	1.5-12x	1.75-14x
Focus	Manual (1m to infinity)			
Digital Zoom	1x, 2x, 4x, 8x			
Display	800x600 OLED Display			
Diopter Adjustment Range	-5 to +5 D			

Specifications	BlazeTrek 319	BlazeTrek 325	BlazeTrek 619	BlazeTrek 625
Color Palettes	White Hot, Black Hot, Iron Red, Alarm, Green Hot, Sepia			
Video/Audio Recording	Yes / Yes			
Image Capture	Yes			
Scene Modes	Yes			
Hot Point Tracking	Yes			
Standby/Sleep Mode	Yes			
Built-in Wi-Fi Hotspot	Yes			
Media Output	USB Type-C			
Internal Storage Capacity	32 GB			
Non-Uniformity Correction (NUC)	Auto, Semi, Manual			
App (App Store / Google Play)	Yes (ATN Connect 6 – iOS & Android)			
Battery Type	Internal (rechargeable)			
Battery Life	~ 8 hrs	~ 8 hrs	~ 6.5 hrs	~ 6.5 hrs
Supports External Power Supply	Yes, USB Type-C (5 VDC / 2A)			

Specifications	BlazeTrek 319	BlazeTrek 325	BlazeTrek 619	BlazeTrek 625
Waterproof / IP Rating	IP67			
Working Temperature	-30°C to 55°C (-22°F to 131°F)			
Dimensions (L x W x H)	6.20” x 2.23” x 1.98” (158 mm x 57 mm x 50 mm)			
Weight (with Battery)	320 g / 0.7 lb			

Actual battery life may vary depending on the frequency of feature usage such as Wi-Fi, video recording, and other power-consuming functions.

Design and software improvements may be implemented to enhance product performance without prior notice.

The latest version of this user manual is available for download at: www.atncorp.com.

3. DEVICE OPERATION

3.1 POWER SUPPLY

The **BlazeTrek Thermal Monocular** is powered by an **integrated rechargeable battery**.

The device can be powered or charged directly through the **USB Type-C port.**

NOTE

- ***When connecting external power via Type-C, the device can operate and charge simultaneously.***
- ***Always ensure the battery is fully charged before extended use in the field.***

3.1.1 CHARGING THE DEVICE

You can charge the monocular through the Type-C port using the included data cable.

The battery level indicator is displayed on the status bar when the device is powered on. Charge the unit promptly when the level is low to ensure proper operation.

Charging Guidelines:

- Maintain a battery temperature between 32°F and 140°F during charging.
- Always use the original charging cable supplied with the device.

Charging Steps:

1. Open the rubber cover protecting the Type-C port.
2. Connect the provided Type-C cable to the port and a power source.

RECOMMENDATION

Fully charge the device before first use and recharge every 3–6 months during long-term storage to maintain battery health.

3.2 POWER ON / OFF

Power On

Press and hold the **Power button** until the ATN logo appears on the display. After startup, remove the **lens cover** before operation.

Power Off

Press and hold the **Power button** until the countdown **3-2-1** appears. Once the countdown completes, the monocular will power off automatically.

Standby Mode

To enter **Standby Mode**, short-press the **Power button** from main screen, then the device will go into standby.

To wake the monocular from **Standby Mode**, short-press the **Power button** once.

3.3 CONTROLS

When the monocular is powered on, press and hold the **Select button** to open the main menu.

The functions of the buttons are as follows:

- Press the **Up button** to navigate up or the **Down button** to navigate down through the menu.
- Press the **Select button** to select or confirm a setting.
- Press and hold the **Select button** to go back if you are in a submenu. Press the Power button to exit the menu.

3.4 INITIAL SETUP

When starting the monocular for the first time, or after performing a factory reset, you will need to set the **language, Wi-Fi password,** and **device time**.

Step 1: Power On

Press and hold the **Power button** to turn on the monocular. The **Language Selection** screen will appear.

Step 2: Set Language

1. Use the **Up/Down buttons** to highlight your preferred language.

2. Press the **Select button** to confirm. The **Wi-Fi Password** screen will appear.

Step 3: Set Wi-Fi Password

1. Use the **Up/Down buttons** to select a digit, or choose **Skip** to use the default password "12345678."
2. Press the **Select button** to confirm the selection.
3. Use the **Up/Down buttons** again to adjust the value, then press the **Select button** to save. Repeat steps 1–3 for each digit of the password. Once complete, select **Next** and press the Select button.

Step 4: Set Device Time

1. Use the **Up/Down buttons** to select the time field (hours, minutes, seconds).
2. Press the **Select button** to confirm, then rotate to adjust. Repeat for each field. Once done, select **Next** and press the Select button.

The main viewing screen will appear, and the monocular is ready for use.

3.5 IMAGE ADJUSTMENT

3.5.1 DIOPTER ADJUSTMENT

To achieve a sharp and comfortable view, adjust the **diopter ring** according to your eyesight.

It is recommended to perform this adjustment before configuring other settings.

Steps:

1. Aim the monocular at a well-lit target or a clear background.
2. Look through the eyepiece and slowly rotate the **diopter adjustment ring** clockwise or counterclockwise until the on-screen icons and image appear sharp and clear.

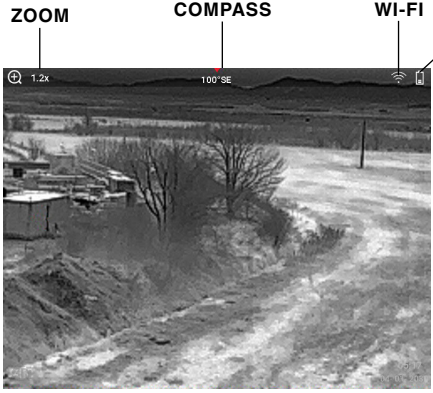
3.5.2 FOCUS ADJUSTMENT

Manually rotate the **Focus Adjustment Ring*** to achieve a clear image of the target.

Steps:

1. Aim the monocular at your target.
2. Rotate the **Focus Adjustment Ring** clockwise or counterclockwise until the image becomes crisp and well-defined.

3.5.3 STATUS BAR DISPLAY



The **Status Bar** provides real-time information such as battery level, zoom, and connection status.

To enable or disable the status bar:

1. **Press and hold** the **Select button** to open the **Main Menu**.

2. Navigate to **Finctionalities → Status Bar**, using the **Up/Down buttons**.
3. **Press** the **Select button** to toggle the Status Bar **On** or **Off**.
4. The **status bar** will now appear (or disappear) on the display.

TIP

Keeping the status bar enabled ensures you can monitor key system parameters during operation.

Table 3.5.3 Description of status bar

Icon	Name	Description
	Digital Zoom	**Supports multiple levels of digital zoom.** The available zoom magnification may vary depending on the model.
	**Compass**	Displays the current direction the monocular is facing.
	**Wi-Fi**	• The Wi-Fi module is active — the device can connect to a smartphone or other devices. • Wi-Fi is turned off — wireless connection is unavailable.
	**Battery level**	Displays the current battery charge level in real time.

3.5.4 ADJUSTING BRIGHTNESS

Adjusts the overall display brightness. Increasing the level makes the image appear brighter.

To adjust brightness:

1. Press and hold the **Select button** to open the **Main Menu**.
2. Using the **Up/Down buttons** select **Brightness**.
3. Press the **Select button** activate the Brightness settings submenu.
4. Using the **Up/Down buttons** increase or decrease brightness.
5. Press the Select button to confirm and save the selected settings.

TIP

Higher brightness levels improve visibility in daylight, while lower levels are recommended for night operations.

3.5.5 ADJUSTING SHARPNESS

Controls the clarity of object edges in the image. Higher sharpness levels make contours appear more defined.

To adjust sharpness:

1. Press and hold the **Select button** to open the **Main Menu**.
2. Use the **Up/Down buttons** to select **Sharpness**.
3. Press the **Select button** to confirm.
4. Use the **Up/Down buttons** to increase or decrease sharpness.

TIP

A moderate sharpness level provides a natural and balanced image.

3.5.6 ADJUSTING CONTRAST

Controls the clarity of object edges in the image. Higher sharpness levels make contours appear more defined.

To adjust contrast:

1. Press and hold the **Select button** to open the **Main Menu**.
2. Use the **Up/Down buttons** to select **Contrast**.
3. Press the **Select button** to confirm.
4. Use the **Up/Down buttons** to increase or decrease contrast.

3.6 VIDEOS RECORDING AND CAPTURING IMAGES

3.6.1 RECORDING VIDEOS

To manually record a video, follow these steps:

1. On the **Main screen, press and hold** the **Up button** for **3 seconds** to start recording.
   - The **recording icon** will flash on the screen.
   - The **recording timer** will appear, showing the elapsed time.

2. To **stop recording, press and hold** the **Up button** again for **3 seconds.**
   - The recording icon will disappear.
   - The video camera icon with a check mark will display briefly on screen.

TIP

Make sure you have enough storage space before recording long videos.

3.6.2 CAPTURING IMAGES

To take a still image:

1. Press the **Up button** once.
2. When the image is successfully saved, a **camera icon** will appear briefly on the screen.

NOTE

Images and videos are automatically saved in internal memory of the device and can be viewed or exported later through the Type-C connection.

4. CONFIGURING THE MONOCULAR

4.1 MAIN MENU

The **Main Menu** provides access to all configuration options of the monocular.

Press and hold the **Select button** to open the **Main Menu**. Use the Up/Down buttons to navigate through the categories and press it to enter a selected item.

MAIN MENU STRUCTURE

1. **SharpIR**
2. **Brightness**
3. **Contrast**
4. **Sharpness**
5. **Hot point**
6. **PIP**

7. **Forest mode**
8. **Ranging**
9. **Language**
10. **Functionalities**
11. **Settings**

Table 4.1 Menu description

Name	Description
SharpIR	Powered by ATN's proprietary SharpIR© technology, the device uses advanced AI-driven algorithms to enhance image sharpness and clarity in real time. This intelligent processing dynamically refines edge definition and contrast, making it easier to distinguish heat signatures in cluttered or low-visibility environments.
Brightness	Adjusts the overall screen brightness. Increasing brightness helps in daylight, while lowering it improves visibility at night.
Contrast	Adjusts the difference between warm and cold areas to enhance image depth and object separation.
Sharpness	Controls the clarity of image edges. Higher sharpness enhances detail, while lower settings make the image smoother.
Hot point	The Hot Point function automatically detects and marks the hottest object in the visible area, making it easier to identify heat sources in real time.
PIP	Displays a magnified section of the thermal image in a small window while keeping the full scene visible. Enhances target precision without losing situational awareness.
Forest mode	Optimizes the thermal image for environments with dense foliage, enhancing object visibility and fine detail in areas with heavy vegetation.

Name	Description
Ranging	This feature allows manual range estimation using the reticle's reference marks or on-screen scale.
Language	Allows the user to select the language they want to operate the device in.
Functionalities	The Functionalities menu provides access to additional tools and features that enhance the operation and user experience of your monocular.
Settings	The Settings menu allows you to configure core system parameters, manage power options, and adjust device behavior to match your personal preferences and operational needs.

4.1.1 HOT POINT TRACKING

The **Hot Point** function automatically detects and marks the hottest object in the visible area, making it easier to identify heat sources in real time.

Steps:

1. Press and hold the **Select button** to open the **Main Menu**.
2. Use the **Up/Down buttons** to select **Hot Point**.
3. Press the **Select button** to enable or disable the function.

When enabled, a small **hot point icon** will appear on the screen, continuously tracking the area with the highest temperature.

NOTE

The Hot Point feature is most effective in stable environments and may fluctuate in scenes with multiple strong heat sources.

4.1.2 PIP (PICTURE-IN-PICTURE) MODE

The **PIP (Picture-in-Picture)** mode allows you to view a magnified portion of the thermal image in a smaller window while maintaining a wide field of view on the main screen.

This helps with precise aiming or observation without losing situational awareness.

Steps:

1. Press and hold the **Select button** to open the **Main Menu**.
2. Use the **Up/Down buttons** to select **PIP**.
3. Press the **Select button** to enable or disable PIP mode.

When enabled, a zoomed-in window of the image center will appear at the **top center of the screen**.

TIP

- ***Use PIP mode for accurate long-distance viewing while maintaining visibility of your surroundings.***

4.1.3 RANGING

This feature allows manual range estimation using the reticle's reference marks or on-screen scale.

The optical ranging mode estimates the distance to the target by adjusting two horizontal reference lines so that they align with the top and bottom of the target's silhouette.

The system then calculates and displays the approximate distance based on the selected target type and apparent size.

Steps:

1. **Press and hold** the **Select button** to open the **Main Menu**.
2. Use the **Up/Down buttons** to highlight **Ranging** and **press the Select button** to open it.

3. Use the **Up/Down buttons** to move the lines until they touch the top and bottom edges of the target.
4. Once aligned, the system will display the estimated distance between the target and the monocular.

4.1.4 FUNCTIONALITIES

The Functionalities menu provides access to additional tools and features that enhance the operation and user experience of your monocular.

These options allow you to customize interface elements, enable useful widgets, and optimize the device for different field conditions.

Table 4.1.4 Functionalities menu

Icon	Name	Description
	**Compass**	When the compass feature is active, the current heading is displayed at the top of the screen. Compass calibration: To begin compass calibration, rotate the monocular along all three axes within 20 seconds, ensuring each axis completes at least one full 360° rotation. Once the rotation phase is complete, the device will display a pop-up prompting you to point the monocular north. After aligning the device and confirming the north direction, the calibration process will finalize, and the system will return to the main menu.
	**Burning Warning**	When the system detects a potential overheating risk for the sensor, a warning message will appear on the screen and the shutter will automatically close to prevent damage. ***RECOMMENDATION*** ***Avoid aiming at extremely hot objects for long durations.***

Icon	Name	Description
	**Logo**	When enabled, the logo appears in the lower-left corner of the screen.
	**Status bar**	Press the **Select button** to show or hide the status bar at the top of the screen.
	**NUC**	Corrects temperature drift and sensor noise to maintain image quality. • **Auto:** The system performs NUC automatically when needed. • **Semi-Auto:** NUC can be triggered manually or occurs occasionally. • **Manual:** The user can initiate NUC anytime from the menu or by pressing the assigned button.
	**Pixel correction**	Fixes defective (stuck or dead) pixels on the thermal sensor. • **Auto:** The device automatically detects and corrects bad pixels after user confirmation. • **Manual:** Opens the manual correction menu where you can individually mark and correct defective pixels. • **Restore:** Restores the default pixel map.

4.1.4.1 SETTING NUC (NON-UNIFORMITY CORRECTION)

NUC (Non-Uniformity Correction), is used to optimize the thermal image by compensating for small temperature variations across the sensor. This process ensures uniformity and helps detect even subtle temperature changes more accurately.

Procedure

1. Press and hold the **Select button** to open the **Main Menu**.
2. Use the Up/Down buttons to select **Functionalities → NUC**.
3. Press the **Select button** to access the **NUC configuration screen**.

Modes

- **Auto:**

  The monocular performs automatic flat-field calibration at regular intervals. This helps maintain consistent image quality during long observation periods.

- **Semi-Auto:**

  Press and hold the **Down button** on the viewing screen to manually trigger calibration at any time. Recommended when the image appears slightly uneven or blurry.

- **Manual:**

  Close the lens cap, then press and hold the **Down button** to manually perform calibration.

  This is useful for precise control or when environmental conditions (e.g., rapid temperature changes) affect image stability.

TIP

Regularly performing NUC ensures the best image uniformity and helps eliminate fixed-pattern noise, especially after large temperature fluctuations.

4.1.4.2 SETTING PIXEL CORRECTION

The **Pixel Correction function** allows you to fix defective (hot, dead, or stuck) pixels on the thermal sensor to maintain a clean, high-quality image.

Procedure

1. Press and hold the **Select button** to open the **Main Menu**.
2. Use the **Up/Down buttons** to select **Functionalities → Pixel Correction**.
3. Press the **Select button** to open the Pixel Correction configuration screen.

Modes

- **Auto:**

  The monocular automatically detects and corrects defective pixels.

  1. Select **Auto**.
  2. Follow on-screen instructions to **close the lens cap**.

3. Use the **Up/Down buttons** to select **Confirm**, then press the **Select button** to begin correction.

- **Manual:**

  Allows you to manually locate and correct defective pixels.

  1. Press the Select button to select **X-axis** and **Y-axis**.
  2. Use Up/Down buttons to move the cursor over the defective pixel.
  3. Double-press the Select button to save the correction. The center of the cursor marks the corrected pixel.

- **Restore:**

  Restores the pixel correction map to its **factory default state**.

  A confirmation message appears once the reset is complete.

TIP

Run Pixel Correction if you notice fixed bright or dark points that do not move with the image — this will recalibrate your thermal sensor for optimal image quality.

4.1.5 SETTINGS

The Settings menu allows you to configure core system parameters, manage power options, and adjust device behavior to match your personal preferences and operational needs.

Table 4.1.5 Settings menu

Icon	Name	Description
	**Sleep Mode**	Sets the period of inactivity after which the monocular enters low-power standby mode. Options: **Off, 1 min, 3 mins, 5 mins, 10 mins.** ***NOTE*** ***Press any button to wake the device from sleep.***

Icon	Name	Description
	**Always-on display**	When the Wi-Fi hotspot is enabled, the device does not display the logo in standby (sleep) mode. This is required to support live view streaming in the mobile app while the device display is turned off.
	**Shutdown**	Specifies the duration of inactivity before the monocular powers off automatically. Options: **Off, 5 mins, 10 mins, 30 mins, 60 mins.** Use this feature to conserve battery power during extended downtime.
	**USB Mode**	• **ON**: The monocular will function as a storage device for file transfer. • **OFF**: The USB port can be used only as a power supply.
	**Units**	Switch between **Metric** and **Imperial** measurement systems.
	**Time Settings**	• **Time Display:** Enable or disable on-screen time display. • **Time Format:** Choose the preferred date/ time format. • **Date & Time:** Manually set the current date and time using the Control Wheel to adjust each value.
	**Wi-Fi**	• **Wi-Fi**: Turns the wireless connection **On/Off** for mobile app pairing or file transfer. • **Wi-Fi Password**: Displays the SSID and current password in an information window.
	**Device Info**	**Device Information** page, displaying firmware version, serial number, and other system data.

Icon	Name	Description
	**Restore Default**	Resets all menu parameters and user configurations to their factory defaults.
	**Format**	Deletes all images and videos stored in the device memory.

4.1.5.1 WI-FI CONNECTION SETUP

After enabling Wi-Fi, the monocular creates its own wireless hotspot, allowing you to connect a smartphone or tablet and access live view, media files, or control features through the ATN mobile app.

Connection Procedure

1. On your smartphone, open the App Store (iOS) or Google Play (Android) and search for "**ATN Connect 6**" to download and install the application.
2. Press and hold the **Select button** to open the **Main Menu**.
3. Use the **Up/Down buttons** to select **Setting > WiFi**, then press the **Select button** to enter..
4. Enable **Wi-Fi**. The device will broadcast its hotspot with the following credentials:
   - **Wi-Fi Name (SSID)**: You can find it on the label attached to the lens cap, or by navigating to **Main Menu → Settings → Wi-Fi Password**.
   - **Password**: The password you created during the initial setup. If you skipped that step, the default password is **12345678**. (See "Initial Setup" for details.).
5. Then launch the **ATN Connect 6**, choose the device, and follow the on-screen prompts.

NOTE

The Wi-Fi password can only be changed directly through the ATN Connect 6 mobile app in the Settings section.

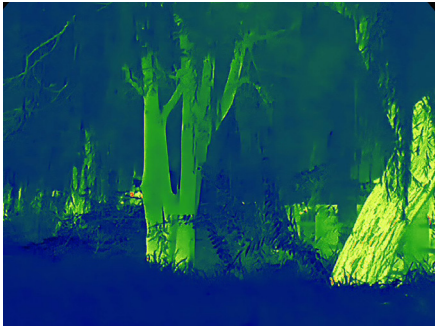
4.2 COLOR PALETTES

Available Color Palettes:

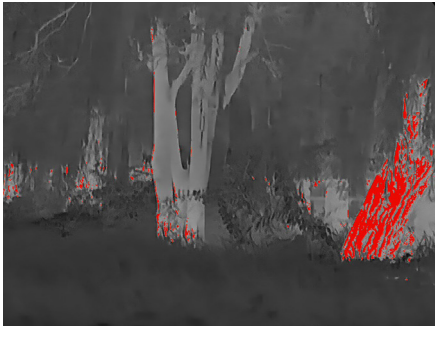
White Hot: Hotter objects appear white. The higher the temperature, the brighter the image.

Sepia: Hotter objects appear amber. Higher temperatures produce brighter tones.

Green Hot: Hotter objects appear green. Brighter green indicates higher heat.



Alarm: Hot objects appear red for quick visual detection.



Iron Red: Hotter objects appear in red or orange tones.

Black Hot: Hotter objects appear darker; colder areas are lighter.

TIP

Choose the palette that provides the best contrast for your environment or preference.

5. SYSTEM UPDATE

You can update the monocular firmware **manually** using a USB connection.

NOTE

Always ensure the device battery level is above 30% before starting the update.

If the charge is below this level, the update will be blocked and a notification will appear prompting you to recharge the device.

5.1 MANUAL FIRMWARE UPDATE

Follow these steps to update the firmware manually:

1. **Download** the latest firmware file from the official ATN website.
2. **Copy** the firmware file (.bin) **to the root directory** of the monocular's internal storage.
3. **Disconnect** the device safely from the computer.
4. **Reboot** the device.
5. When a new firmware version is detected, a message will appear:

"Confirm to upgrade"

6. **Select** "Confirm".
7. The update process will begin automatically.

NOTE

During Update: Do not power off or disconnect the device. The process may take several minutes.

If the battery charge is insufficient, the message will state:

"Low battery. Please charge before updating."

After a successful update, the monocular will automatically restart.

5.2 FIRMWARE UPDATE VIA MOBILE APP

When the mobile app detects a new firmware version available for your monocular, it will display a notification on your screen.

1. **Open the app** and connect to your device via Wi-Fi.
2. When prompted, tap **Push-message** to begin the update process.
3. The firmware will download and install automatically.
4. Once the installation is complete, the monocular will **restart** to finalize the update.

NOTE

Keep your phone close to the device and ensure a stable Wi-Fi connection throughout the process. Interrupting the update may cause firmware corruption or incomplete installation.

6. EXPORTING FILES

You can transfer recorded videos and captured images from the monocular to a computer via a **USB Type-C** connection for viewing, editing, or storage.

Steps

1. **Connect to a Computer**
   - Use a **Type-C data** cable to connect the monocular to your computer.
   - The driver will install automatically during the first connection.

IMPORTANT

Connect the cable before powering on the monocular. Avoid hot-swapping the Type-C port while the device is running.

2. **Enable USB Mode**
   - Go to Settings > USB Mode > On.
3. **Access Files on the Computer**
   - On your desktop, open **This PC (My Computer)** → locate and open the **monocular drive** under **Removable Storage**.

- Browse to find your photo and video files.
- **Copy** the desired files to your computer.

4. **Playback**
   - To view exported videos, use a compatible **media player** for optimal performance.
5. **Disconnect Safely**
   - When finished, safely eject the drive and disconnect the Type-C cable.

TIP

Keep the device powered and stable during file transfer to avoid data corruption.

7. IMPORTANT SAFETY INFORMATION

This section provides essential information on the **safe handling and operation** of the device.

Please read this section carefully before use to **avoid personal injury, prevent equipment damage, and ensure reliable performance**.

Follow all safety instructions and warnings strictly during operation, transportation, and maintenance of the device.

Transportation Requirements

- Transport the device only within the **recommended temperature and humidity limits**.
- Avoid **drops, impacts, excessive vibration, or liquid exposure** during transport. Handle the device gently to prevent internal damage or loose cable connections.
- Always use the **original packaging** or equivalent protective materials. Transporting the device without proper packaging may result in damage.

Storage Requirements

- Store the device within the **allowed temperature and humidity range**.

- Keep it away from **humid, dusty, extremely hot or cold environments,** and areas with **strong electromagnetic radiation or unstable lighting**.
- Avoid squeezing, vibration, or mechanical shock during storage.
- Store the device in a **well-ventilated, dry area** free from electromagnetic interference.
- If storing for long periods, **fully recharge the battery every six months** to maintain performance and prevent damage.

Operation Requirements

- Prevent liquids from entering the device to avoid internal damage.
- Do not insert foreign objects into any openings — this may cause a short circuit or injury.
- Avoid high-dust or high-radiation environments.
- Never aim the lens at the **sun or intense light sources**, as this can permanently damage the sensor.
- Improper battery use or replacement may cause an **explosion hazard**.
- Use only the **provided charger** and ensure no flammable materials are within **2 meters** during charging.
- Ensure the power plug is securely connected to the socket.
- Do not connect multiple devices to one power adapter to avoid **overheating or fire hazards**.
- If **smoke, odor, or abnormal noise** occurs, immediately power off the device, unplug it, and contact customer service.
- Do not disassemble the device. Repairs must be performed by **qualified professionals** only. Unauthorized disassembly may cause water ingress or image quality degradation.
- **Operating temperature**: –22°F to +131°F; **humidity**: ≤95% RH.

Maintenance and Repair Requirements

- Prevent liquids from entering the device. If liquid intrusion occurs, **power off immediately**, disconnect all cables, and contact customer service.
- Use only **manufacturer-approved accessories**. Maintenance should be performed by qualified technicians.

- Disconnect power before cleaning to prevent electric shock.
- Clean the device using a **soft, dry cloth**. For stubborn dirt, lightly dampen the cloth with neutral detergent and wipe gently, then dry completely.
- **Do not use** alcohol, benzene, thinner, or abrasive cleaners — they can damage the coating and impair performance.
- Retain the **original packaging**. If service is required, pack the device securely in its factory packaging before shipping.

8. FCC COMPLIANCE STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

This device may not cause harmful interference.

This device must accept any interference received, including interference that may cause undesired operation.

This device has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This device generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this device does cause harmful interference to radio or television reception, which can be determined by turning the device off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the device and the receiver.
- Connect the device into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

WARNING

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

The Effective Radiated Isotropic Power (ERIP) of this device is below 4mW (dBm). If the ERIP exceeds this limit, SAR testing is required to comply with FCC regulations.

9. PROP 65 WARNING

PROPOSITION 65 WARNING FOR CALIFORNIA CONSUMERS

For more information go to www.p65warnings.ca.gov

WARNING

This product can expose you to Nickel (Metallic), which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

EXPORT DISCLAIMER

Important Export Restrictions! Commodities, products, technologies and services contained in this manual are subject to one or more of the export control laws and regulations of the U.S. Government and they fall under the control jurisdiction of either the US Department of State or the US BIS-Department of Commerce. It is unlawful and strictly prohibited to export, or attempt to export or otherwise transfer or sell any hardware or technical data or furnish any service to any foreign person, whether abroad or in the United States, for which a license or written approval of the U.S. Government is required, without first obtaining the required license or written approval from the Department of the U.S. Government having jurisdiction. Diversion contrary to U.S. law is prohibited.

10. WARRANTY AND SUPPORT INFORMATION

5-YEAR LIMITED PRODUCT WARRANTY

Your ATN product is warranted to be free from defects in materials and workmanship under **normal use** for a period of **five (5) years** from the original date of purchase.

If a covered defect arises during the warranty period, **ATN Corporation**, at its discretion, will **repair or replace** the product. This action represents the full extent of ATN's liability, and the customer's exclusive remedy.

This warranty **does not cover**:

- Products used outside normal operating conditions or subjected to misuse, abuse, or unauthorized repair/modification.
- Products sold "as-is," special order, or discontinued items.
- Damage resulting from improper storage, handling, or operation with incompatible equipment.

This warranty applies **only to the original purchaser** and is **non-transferable**.

All implied warranties, including merchantability or fitness for a particular purpose, are expressly disclaimed.

LIMITATION OF LIABILITY

ATN shall not be liable for **any indirect, incidental, or consequential damages**, including loss of profit, data, or revenue.

ATN's total liability under this warranty is limited to the purchase price of the product.

Operation and use of the product are the sole responsibility of the customer.

PRODUCT WARRANTY REGISTRATION

To validate your warranty, please complete the **Product Warranty Registration** online at **www.atncorp.com** or mail the completed registration card to: **ATN Corporation 2400 NW 95 Ave, Doral, FL 33172, USA**.

OBTAINING WARRANTY SERVICE

To obtain service under warranty:

1. Contact ATN's Service Department at **(800) 910-2862** or **(650) 989-5100**, or email **service@atncorp.com** to receive a **Return Merchandise Authorization (RMA)** number.
2. Return the product (postage paid) with proof of purchase and a note describing the issue to: **ATN Corporation, 2400 NW 95 Ave, Doral, FL 33172, USA**.
3. Mark the **RMA number** clearly on the outside of the package.
4. Include your contact details (phone, email, return address).

ATN is not responsible for uninsured or improperly shipped items.

Service time: approximately **10–20 business days**.

Customers are responsible for inbound shipping; ATN covers return shipping within the continental USA for valid warranty repairs.

NEED HELP?

For technical assistance, visit our support center:

www.atncorp.com/support

or contact our service team directly at

service@atncorp.com

FOR CUSTOMER SERVICE AND TECHNICAL SUPPORT,
PLEASE CONTACT

AMERICAN TECHNOLOGIES NETWORK CORP.
2400 NW 95 AVE, DORAL, FL 33172
PHONE: 800-910-2862, 650-989-5100
E-MAIL: SERVICE@ATNCORP.COM

WWW.ATNCORP.COM