

ATN DGBNBN4KLRF-black-4-16X

ATN BinoX 4K 4-16X Smart Ultra HD Day/Night Hunting Binoculars User Manual

Brand: ATN

Model: DGBNBN4KLRF-black-4-16X

1. PRODUCT OVERVIEW

The ATN BinoX 4K 4-16X Smart Ultra HD Day/Night Hunting Binoculars are advanced digital binoculars designed for versatile outdoor use. They integrate cutting-edge technology to provide a superior viewing and data collection experience in various lighting conditions. Key features include a built-in laser rangefinder, high-definition video recording, Wi-Fi connectivity, and an E-Compass, all powered by an efficient system for extended battery life.

Key Features:

- Live Streaming & HD Video Recording 24/7: Revolutionary lag-free combination with bright day and crisp night images, and smooth zoom.
- Multi-purpose Laser Rangefinder: For hunting, outdoor sports, bird and wildlife observation, and surveillance. Ranges targets instantly.
- Extended Metadata: Displays e-compass orientation, zoom level, distance to target, and 3D gyroscope data on screen and in video records.
- Ultra Low Power Consumption: Provides 16+ hours of active use on a single charge.
- Interpupillary Adjustment & Comfortable Eye Relief: Designed for comfortable use by various users.



Figure 1: ATN BinoX 4K 4-16X Binoculars

2. WHAT'S IN THE Box

Upon unboxing your ATN BinoX 4K 4-16X, please ensure all the following components are present:

- ATN BinoX 4K 4-16X Smart HD Day/Night Binoculars
- Soft Carrying Case
- Lens Cover
- Neck Strap
- USB-C Cable

3. INITIAL SETUP

3.1 Charging the Device

Before first use, fully charge the binoculars using the provided USB-C cable. Connect the cable to the USB-C port on the device and to a compatible USB power source. The charging indicator will show the charging status. A full charge provides over 16 hours of continuous use.

3.2 Powering On/Off

To power on, press and hold the Power button until the display illuminates. To power off, press and hold the Power button until the device shuts down.

3.3 Interpupillary Adjustment

Adjust the distance between the two eyepieces to match your eyes. Look through the binoculars and move the barrels closer or further apart until you see a single, clear circular field of view.

3.4 Focus Adjustment

Use the focus wheel located on the top of the binoculars to achieve a sharp image of your target.

4. OPERATING INSTRUCTIONS

4.1 Day and Night Mode Operation

The BinoX 4K features both Day and Night vision modes. The device automatically adjusts to ambient light conditions, but you can manually switch between modes for optimal viewing. Day mode provides crystal clear color images, while Night mode illuminates the dark for clear black and white vision.

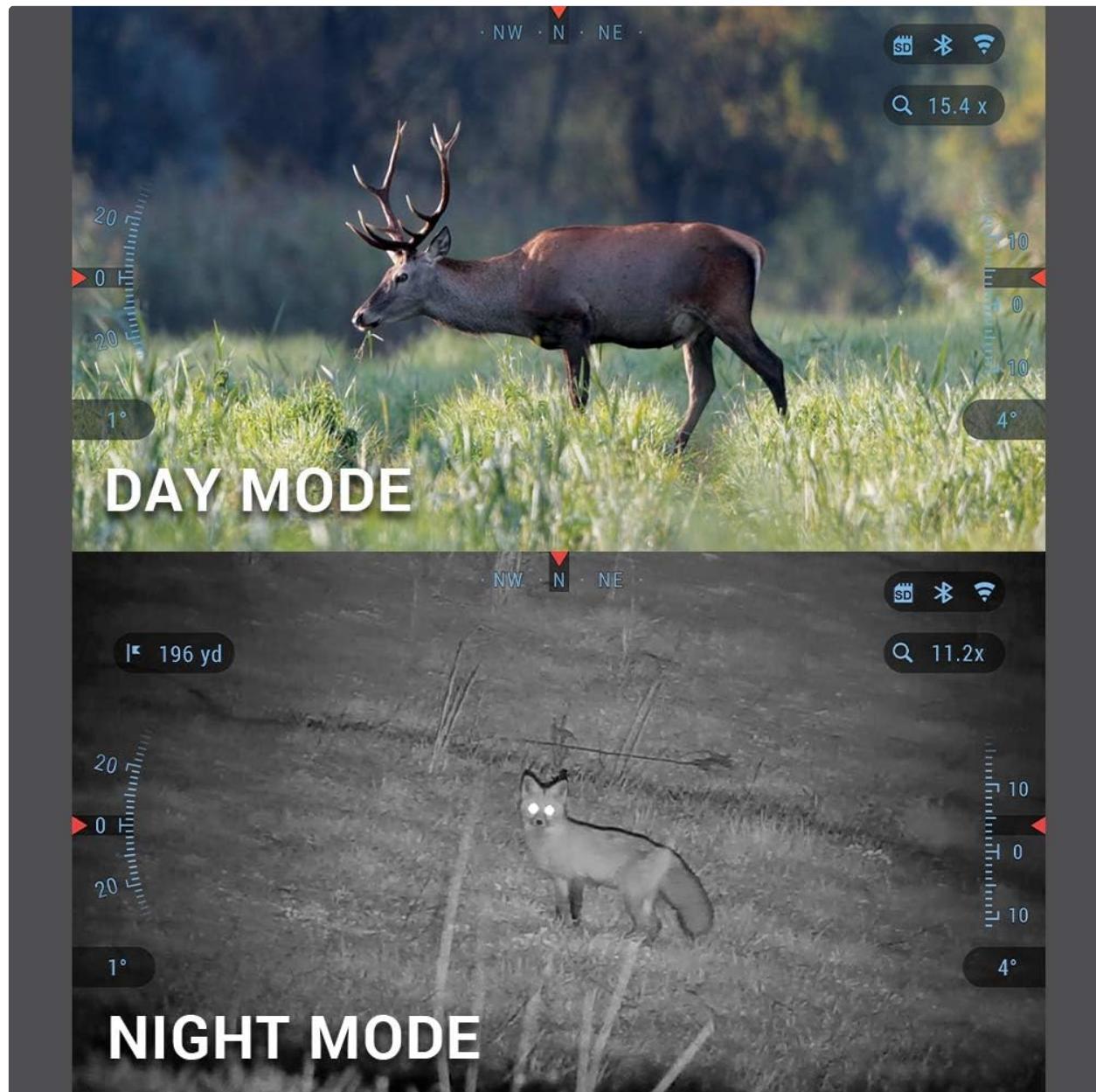


Figure 2: Day Mode (top) and Night Mode (bottom) comparison

4.2 Using the Laser Rangefinder

The integrated laser rangefinder allows for quick and accurate distance measurements to your target. Simply activate the rangefinder function (refer to the on-screen interface for button prompts), aim at your target, and the distance will be displayed instantly. This feature is effective in both day and night conditions.



Figure 3: Built-in Laser Rangefinder in action

4.3 HD Video Recording

The BinoX 4K can record sharp 1080p HD video. Insert a Micro SD card (4GB to 64GB recommended) into the designated slot. Press the record button to start and stop recording. Videos are stored on the Micro SD card for later playback or transfer to a computer.

VIDEO RECORD – IN SHARP **1080P**



Figure 4: Video recording in 1080p with Micro SD card slot

4.4 Wi-Fi and ATN App Connectivity

Connect your BinoX 4K to a smartphone or tablet via Wi-Fi using the ATN Obsidian App. This allows for live streaming, remote control, and easy access to recorded media. The app enhances the functionality of your binoculars by providing a larger viewing screen and convenient data management.

ULTRA LOW POWER CONSUMPTION



Figure 5: Connecting to the ATN App for enhanced features

4.5 E-Compass and 3D Gyroscope

The binoculars feature an E-Compass for orientation and a 3D Gyroscope for stable viewing. These sensors provide extended metadata that can be displayed on the screen and embedded into video recordings, offering valuable contextual information about your observations.

4.6 Ballistic Information Exchange

The BinoX 4K can exchange ballistic information, enhancing precision for shooting applications when paired with compatible ATN devices. This feature allows for seamless data transfer to improve accuracy.

BALLISTIC INFORMATION EXCHANGE



Figure 6: Ballistic Information Exchange with other ATN devices

4.7 Product Video Overview

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Video 1: An overview of the ATN BinoX 4K 4-16X Smart Ultra HD Day/Night Vision Binoculars, highlighting key features like day/night mode, laser rangefinder, and video recording capabilities.

5. CARE AND MAINTENANCE

5.1 Cleaning

To clean the lenses, use a soft, lint-free cloth specifically designed for optics. For the body of the binoculars, a soft, damp cloth can be used. Avoid using abrasive materials or harsh chemicals, as they may damage the device.

5.2 Storage

Store the binoculars in their soft carrying case in a cool, dry place away from direct sunlight and extreme temperatures. Ensure the lens covers are in place to protect the optics from dust and scratches.

5.3 Battery Care

To maintain battery health, avoid fully discharging the battery frequently. If storing the device for an extended period, charge it to approximately 50% before storage and recharge every few months.

5.4 Weather Resistance

The ATN BinoX 4K is designed to be weather resistant. While it can withstand light rain and splashes, it is not fully waterproof. Avoid submerging the device in water.

6. TROUBLESHOOTING

6.1 Device Not Powering On

- Ensure the battery is sufficiently charged. Connect the device to a power source and allow it to charge for at least 30 minutes before attempting to power on again.
- Press and hold the Power button firmly for several seconds.

6.2 Blurry Image

- Adjust the focus wheel until the image is sharp.
- Ensure the interpupillary distance is correctly set for your eyes.
- Clean the objective and eyepiece lenses with a suitable optical cleaning cloth.

6.3 Video Recording Issues

- Check if a Micro SD card is inserted correctly.
- Ensure the Micro SD card has sufficient free space.
- Format the Micro SD card (this will erase all data, so back up first).

6.4 Wi-Fi Connectivity Problems

- Ensure Wi-Fi is enabled on the binoculars and your smart device.
- Make sure you are within the effective range of the Wi-Fi signal.
- Restart both the binoculars and your smart device.

7. TECHNICAL SPECIFICATIONS

Specification	Value
Item Package Dimensions L x W x H	10.75 x 6.02 x 5 inches
Package Weight	1.57 Kilograms

Item Dimensions LxWxH	9.4 x 2.6 x 5 inches
Item Weight	2.5 Pounds
Brand Name	ATN
Warranty Description	2 years
Model Name	Atn Binox 4k 4-16x Day&night Smart Binoculars
Color	Black
Material	Plastic
Suggested Users	unisex-adult
Number of Items	1
Manufacturer	ATN
Part Number	DGBNBN4KLRF-black-4-16X
Model Year	2019
Style	Atn Binox 4k 4-16x Day&night Smart Binoculars
Included Components	Binoculars + Soft Carrying case, Lens Cover, Neck Strap, USB-C Cable
Size	4-16X
Sport Type	Hunting
Age Range (Description)	Adult
Special Feature	Built-in battery up to 18+ hours, Day & Night Mode, Dual Stream Video
Objective Lens Diameter	40
Magnification Maximum	16

8. WARRANTY AND SUPPORT

8.1 Warranty Information

The ATN BinoX 4K 4-16X Smart Ultra HD Day/Night Hunting Binoculars come with a **2-year warranty** from the date of purchase, covering manufacturing defects and workmanship. Please retain your proof of purchase for warranty claims.

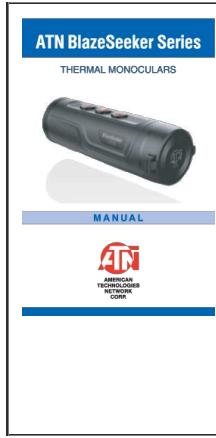
8.2 Customer Support

For further assistance, technical support, or warranty inquiries, please visit the official ATN website or contact their customer service department. You can also refer to the comprehensive [User Manual \(PDF\)](#) for detailed

instructions and advanced features.

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Related Documents - DGBNBN4KLRF-black-4-16X



[ATN BlazeSeeker Series Thermal Monoculars User Manual](#)

Comprehensive user manual for the ATN BlazeSeeker Series Thermal Monoculars, detailing features, applications, setup, operation, settings, video/snapshot functions, and warranty information. Learn how to use your thermal monocular for hunting, surveillance, and outdoor observation.