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## NIGHTFOX NF-110R

# Nightfox 7X Digital Infrared Night Vision Binoculars (Model NF-110R)

User Instruction Manual

## 1. INTRODUCTION

Thank you for choosing the Nightfox 7X Digital Infrared Night Vision Binoculars (Model NF-110R). This device is designed to provide clear vision in low-light and complete darkness, featuring 7x optical magnification, 2x digital zoom, and the ability to record photos and videos. This manual provides essential information for the safe and effective operation of your device.

## 2. SAFETY INFORMATION

- Do not look directly at the sun or any bright light source through the device, as this may cause permanent eye damage.
- Keep the device away from water and moisture.
- Avoid dropping or subjecting the device to strong impacts.
- Use only specified AA batteries. Do not mix old and new batteries, or different types of batteries.
- Store the device in a cool, dry place when not in use.

## 3. PACKAGE CONTENTS

The Nightfox 7X Digital Infrared Night Vision Binoculars package includes:

- Nightfox 110R Night Vision Binoculars
- Clear English Instruction Manual
- Neck Strap
- Mounting Rail (compatible with accessories)
- Carry Case
- USB Cable

**Note:** 4x AA batteries and a micro SD card (up to 32GB) are required for operation and recording, but are not included in the package.



Figure 1: Nightfox 110R packaging and included carry case.

## 4. SETUP

### 4.1. Battery Installation

The Nightfox 110R requires 4x AA batteries. Locate the battery compartments on the underside of the device. Insert two new AA alkaline or lithium batteries into each compartment, ensuring the negative side of each battery touches the spring. Close the battery compartment covers securely.

Video 1: Demonstrates battery installation. (Source: Brunel Brands)

### 4.2. Micro SD Card Installation

To record photos and videos, a micro SD card (up to 32GB) is required. Locate the micro SD card slot just above the eyepiece. With the gold pins facing downwards, push the micro SD card into the slot until it clicks into place. Push it again to release.

Video 2: Demonstrates micro SD card installation. (Source: Brunel Brands)

### 4.3. Neck Strap Attachment

To attach the neck strap, ensure the plastic fastener is right side up. Feed the strap from the outside in through the tether points on each side of the device. Create some slack by pulling the strap upwards in the middle of the plastic fastener,

then pull both ends tightly to fix down the strap.

#### 4.4. Mounting Rail Attachment

The device includes a mounting rail compatible with accessories. To attach it, firmly push the mount onto the rail on top of the device until it is fully attached. Then, tighten the screw to hold it in place.



Figure 2: Nightfox 110R showing the tripod mount attachment point.

### 5. OPERATING INSTRUCTIONS

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Figure 3: Top view of Nightfox 110R controls, designed for ease of use.

## 5.1. Power On/Off

To turn the device **ON**, long-press the power button on top of the device until the viewing screen illuminates. To turn the device **OFF**, long-press the power button again.

## 5.2. Adjusting Focus

Adjust the image focus by turning the lens at the front of the device until the image appears clear.

### 5.3. Adjusting IR Brightness

Press the **IR** button repeatedly to cycle through the seven levels of infrared brightness (IR0 to IR7). Select the appropriate level for your viewing conditions.

## 5.4. Adjusting Digital Zoom

Press the **ZOOM** button to magnify the picture by up to 2 times. Keep the button pressed to cycle through the magnification quickly.

## 5.5. Changing Screen Brightness

Press the **Backlight** button (sun icon) for a quick way to change the screen brightness. Use the **ZOOM** and **IR** buttons to cycle through 15 levels of brightness. Press **OK** to exit.

## 5.6. Recording Video

To record footage, navigate to video mode by pressing the **MODE** button until a small video camera icon appears at the top of the screen. Press **OK** to start recording (a red dot will appear) and **OK** again to stop. Videos will save automatically onto the micro SD card.

## 5.7. Taking Photos

To take a photo, navigate to photo mode by pressing the **MODE** button until a camera icon appears at the top of the screen. Press **OK** to capture an image.

## 5.8. Viewing/Deleting Media

To view recordings, press the **MODE** button once again to navigate to the gallery (a play icon will appear). Use the **ZOOM** and **IR** buttons to scroll through your videos and photos. Press **OK** to play a video or view a photo. You can also delete individual files or all files from this menu.

## 5.9. Menu Navigation

To access the menus and settings, use the **ZOOM** (Up) and **IR** (Down) buttons to navigate through options. The **OK** button is used to enter or exit each menu item.

## 5.10. Date/Time Setting

In the settings menu, select 'Date' or 'Time'. Press the **OK** button on each option (Year, Month, Day, Hour, Minute, Second) to select it, then use the **ZOOM** or **IR** buttons to scroll to the desired number. Enabling the 'Date/Time Tag' option will show a visible timestamp on your videos and photos.

## 5.11. Downloading Footage to PC/Mac

To download your footage onto a computer, use the provided micro USB cable. The USB port is located above the eyepiece. With the Nightfox turned off, connect the USB cable to the device and then to your computer. On Windows, navigate to your File Explorer. Your photos and videos will appear in a folder for you to import.

Video 3: Detailed instructions on how to use the Nightfox 110R Night Vision Binoculars. (Source: Brunel Brands)

## 6. MAINTENANCE

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### 6.1. Cleaning

Use a soft, lint-free cloth to clean the lenses and the device body. For stubborn dirt, a slightly dampened cloth can be used. Avoid abrasive cleaners or solvents.

### 6.2. Storage

When not in use for extended periods, remove the batteries to prevent leakage. Store the device in its protective carry case in a cool, dry environment, away from direct sunlight and extreme temperatures.

## 7. TROUBLESHOOTING

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- **Device not powering on:** Ensure batteries are correctly inserted and fully charged.
- **Poor image clarity:** Adjust the focus ring on the objective lens. Ensure the daytime filter is removed for night use.
- **No recording:** Check if a micro SD card is inserted and has sufficient free space. Ensure the device is in the correct photo or video mode.
- **Flickering image:** Adjust the 'Flicker' setting in the menu (60 Hz is recommended for optimal performance).

## 8. SPECIFICATIONS

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Feature	Specification
Model Number	NF-110R
Product Dimensions	6.3 x 5.1 x 0.04 inches
Item Weight	1.13 pounds
Batteries Required	4 AA batteries (not included)
Magnification (Optical)	7x
Magnification (Digital)	Up to 2x
Objective Lens Diameter	12 Millimeters
Night Vision Range	Up to 165 yards (150 meters) in total darkness
Recording Media	Micro SD card up to 32GB (not included)
Special Feature	Night Vision

## 9. WARRANTY AND SUPPORT

Nightfox products are backed by a manufacturer's warranty. For specific warranty details, please refer to the documentation included with your purchase or visit the official Nightfox website. For technical support, troubleshooting assistance, or any inquiries, please contact Nightfox customer service. Contact information can typically be found on the product packaging or the official brand website.

### Related Documents - NF-110R

 <b>Nightfox Swift</b> Instruction Manual EN / DE / FR / ES / IT	<p><a href="#"><u>Nightfox Swift Instruction Manual: Your Guide to Digital Night Vision Goggles</u></a></p> <p>Comprehensive instruction manual for the Nightfox Swift digital infrared night vision goggles. Learn about setup, operation, charging, troubleshooting, and technical specifications.</p>
 <b>NIGHTFOX PROWL</b> INSTRUCTION MANUAL	<p><a href="#"><u>Nightfox Prowl Instruction Manual</u></a></p> <p>Instruction manual for the Nightfox Prowl night vision monocular, covering setup, operation, features, troubleshooting, and specifications.</p>
 <b>NOYAF NF-521 Thermal Imager</b> INSTRUCTION MANUAL	<p><a href="#"><u>NOYAF NF-521 Thermal Imager Instruction Manual</u></a></p> <p>Instruction manual for the NOYAF NF-521 Thermal Imager, detailing its features, applications, technical specifications, and operation for accurate temperature measurement and thermal imaging.</p>

	<p><a href="#"><b>NOYFA NF-2030/NF-2050 Laser Distance Meter Instruction Manual</b></a></p> <p>This instruction manual provides detailed guidance on operating the NOYFA NF-2030 and NF-2050 laser distance meters, including features, specifications, and troubleshooting tips.</p>
	<p><a href="#"><b>NOYFA NF-271, NF-272L, NF-275L Laser Distance Meter Instruction Manual</b></a></p> <p>Comprehensive instruction manual for NOYFA NF-271, NF-272L, and NF-275L laser distance meters. Covers features, operation, specifications, and troubleshooting for accurate distance measurement.</p>