



NIGHTFALL 4X50 NV MONOCULAR

USER MANUAL



FF24063



Engineered for high intensity, fast-paced situations, from paintball games to tactical training simulations to home defense, Firefield products are designed for the next generation shooter and serious gun enthusiast. Our goal is to provide optimal solutions for demanding tactical, hunting and competitive training situations.

Firefield products are tested for durability in extreme terrain and extreme climates. Consisting of shooting accessories compatible with extreme shooting guns, AR-15s, tactical carbines, air guns, shotguns and pistols, the Firefield product line includes: riflescopes, red dot sights, reflex sights, laser sights, magnifiers, bore sights, night vision, digital night vision, flashlights, spotting scopes, rails and mounts.

Delivering high quality and exceptional durability to every intense moment, Firefield is the key to victory. Transform fear to power, panic to excitement and chaos to glory with Firefield units.

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Your Nightfall starlight night vision scope is a professional specification night vision device designed to provide enhanced viewing in all low light conditions including total darkness. This night vision scope operates by amplifying existing light using an electro-optical system. The Nightfall is a passive starlight device; it does not require any artificial light source, although an artificial infrared light will greatly enhance the scope's effectiveness in all facets of operation. The Nightfall is constructed using an electro-optical intensifying tube contained in a water-resistant composite housing and is rugged enough for extreme field conditions.

FEATURES:

- User-friendly / easy-to-use design
- 2x or 4x magnifications (depending on the model)
- Compact and lightweight
- Built-in IR illuminator

INCLUDED:

- Carrying Case
- Lens cap
- Hand strap
- Lens cloth

DIAGRAM

1. IR button
2. ON button
3. Eyepiece
4. Objective lens



TECHNICAL SPECIFICATIONS

TECHNICAL SPECIFICATIONS	FF24063
Generation	I
Magnification	4x
Objective lens diameter	50mm
Resolution, lines/mm	36mm
Angular field of view	15°
Eye relief	12mm
Eyepiece adjustment	±4
Max viewing range m/yds	180/197
Battery type	2xAA
Dimensions	185x58x83mm
Weight	21.1oz

WARNINGS

Your Nightfall night vision scope was designed to provide many years of reliable service. To ensure that you get the most enjoyment out of your Nightfall always obey the following Warnings.

- Do not point the device towards any light source greater than 1 lux (such as car headlights) for an extended period of time. Long-term exposure to bright lights can damage the unit. Any such damage may void your warranty.
- Your Nightfall was designed to be self-contained. Do not open the body of the scope or otherwise attempt to service the device.
- Always store the device in a dry, well-ventilated room.
- Keep the Nightfall away from any heating and air conditioning vents or other heating devices, direct sunlight, and moisture.
- Clean optical parts (lenses) with professional lens cleaning supplies designed for use with multi-coated optics.
- Clean the exterior of your Nightfall with a soft, clean cloth.

Damage to this device from failure to observe these warnings may void the device's warranty.

BATTERY INSTALLATION

To install the batteries, unscrew the battery compartment cover, insert the batteries into the compartment so that the positive (+) and negative (-) match the markings on the unit, replace the battery cover carefully and do not overtighten.

USE AND TESTING

- If you want to test your night vision device in a lighted area, be sure the lens cap is in place prior to pressing the “ON” button. The lens cap has a pinhole opening to admit a small amount of light for testing purposes.
 - Move into a dark area before activating the Nightfall light amplifier.
 - Remove the lens cap and activate the unit by pushing the “ON” button (2).
 - If the subject to be viewed is in a completely dark area, including lowlight shadow areas, activate the infrared illuminator by pressing the “IR” button (1) located next to the “ON” button.
 - Direct your Nightfall at an object at a distance of approximately 100yds. Adjust the eyepiece and objective lens diopter setting to focus the unit by rotating the eyepiece (3) and objective lens (4.) After the adjustment, do not rotate the eyepiece irrespective of the distance and other conditions.
 - The green LED indicates that the light amplifier unit is on. The red LED indicates that the IR illuminator is on. Do not store the unit when any of the indicators are lit. When you finish using your device, turn off the entire unit including the IR illuminator. Return the lens cap to the objective lens.
- CAUTION: Your Nightfall can be used in extreme cold. However, when the unit is brought back into a warm environment, you must wait 2-3 hours before using the unit again. Failure to do so may result in damage as a result of condensation accumulating.

MAINTENANCE

To maintain the Nightfall clean the lens with professional lens cleaning supplies intended for use with multi-coated optics. Blow any dust or dirt off the lenses using dry, compressed air. Clean the Nightfall housing with a soft, clean cloth.

STORAGE

Always store the Nightfall (in its case) in a dry, well-ventilated area away from heating/air conditioning vents (or other heating devices). Temperature should be +10°C and humidity should not exceed 70%. Remove the batteries if the device is to be stored for longer than 2 months.

TROUBLESHOOTING

- The scope will not turn on... Check that the batteries are installed properly. If necessary, replace the batteries as they may be depleted. Also, be sure that the power button is in the “ON” position when trying to turn on the scope.
- Distinct black dots appear on the screen.... These dots are minor blemishes resulting from the tube production process. They do not interfere with the performance of the scope.
- The scope flickers, flashes or “snows”.... The scope may do this when used in a bright environment; to correct this place the cap over the objective lens and enter a dark environment. The scope will restore itself in several minutes or hours depending on how long the scope had been exposed to the light. The scope may flicker for the first several seconds of use, even when in a dark environment, before it corrects itself. The scope may “snow” for several minutes after being exposed to a bright light source even if being operated in complete darkness.

- The image is not focused....Adjust the focus of the eyepiece and the objective. Check that the lenses are not foggy or dusty.
- Visibility decreases or disappears.... Bright light sources may cause visibility to decrease or disappear and the image to flicker. Turn the power off and turn the scope away from the light source; visibility will restore in several minutes.

FIREFIELD WARRANTY

Please visit www.fire-field.com for warranty details and information.

NOTES



www.fire-field.com