



# NIGHTFALL 2

5x50

USER MANUAL

English

# VICTORY JUSTIFIES EVERYTHING®

Whether you are in a fast-paced combat situation or defending yourself and your home, Firefield® will be by your side, preparing you for victory. Firefield® offers quality products with outdoor enthusiasts and paintball fanatics in mind. Whether your weapon of choice is paintball, airsoft, AR15, shotgun or pistol, Firefield® can accommodate your preference. Firefield® will provide you with high quality and durability for a fraction of competitor pricing. Firefield® products consist of boresights, flashlights, laser sights, reflex sights, rails, mounts, magazines, binoculars and other shooting accessories.

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English

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## NIGHTFALL 2 5x50

Maintain superior visibility in the darkest of conditions with the Firefield Nightfall 2 5x50 Night Vision Monocular. Featuring a high power, built-in, infrared (IR) illuminator, the Firefield Nightfall 2 Monocular produces a crisp, clear image. The IR illuminator acts as an invisible flashlight, producing a beam that is only visible through a night vision device. The Nightfall 2 is perfect for hunting, security or any nighttime recreation.

The Firefield Nightfall 2 5x50 Night Vision Monocular features a water resistant, modern ergonomic design, with a rugged body and lightweight frame. The quality and value of the Nightfall 2 exceeds any other night vision monocular on the market. Firefield—Victory Justifies Everything!

## FF18066

Generation	1
Magnification	5x
Objective lens diameter	50mm
Resolution, lines/mm	36mm
Angular field of view	15°
Exit pupil	5mm
Eye relief	12mm
Power supply	3V
Diopter adjustment	±5
Battery type	2xAA
Operating Temp	-20...+40°C
IR wavelength	805nm
Dimensions	205x95x60mm
Weight	15.2oz

### Includes

- Carrying case
- Hand strap
- Cleaning cloth

### Features:

- High quality image and resolution
- 5x magnification and large objective lens
- Close focus range
- High power built-in infrared illuminator
- Ergonomic design and quick power up

# DIAGRAM

1. Objective Cap (not shown)
2. IR illuminator button
3. ON button
4. Rotating eyepiece
5. Objective lens
6. Green LED



# PECULIARITIES OF USE

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Your night vision device is designed to provide many years of reliable service. To ensure high performance you should adhere to the following rules:

- Do not direct the unit in the “on” position at intense sources of light, such as a car’s headlights or burning fire. This may disable the unit for an unknown length of time or cause a dark spot in the center of the field of view. Do not turn the unit on in daylight without the protective cap firmly secured over the objective lens, as this may damage the unit.
- **Any such damage may void the warranty.**
- Never leave the unit in the “on” position over an extended length of time in an area with a light level exceeding 1-10 lux (twilight - 1 lux, deep twilight - .001 lux). Please keep the protective cap on the objective under greater light level.
- Your device was designed to be self-contained. Do not open the body of the unit or otherwise attempt to service this device. If such need arises return the unit for replacement or repair.
- Protect the device from exposure to direct sunlight and extreme temperatures.
- Avoid dropping the unit. The device incorporates a sophisticated optical system which could be damaged in extreme cases of misuses.
- Clean optical parts (lenses) with professional lens cleaning supplies designed for use with multi-coated optics.

# BATTERY INSTALLATION

Your device runs on two AA batteries. To install, slide back the battery compartment cover; insert the batteries into the battery compartment so that the positive (+) and negative (-) terminals of the batteries match the markings inside the compartment, close the battery cover carefully.

## USE AND TESTING

Make sure the batteries have been installed according to instructions found in the battery installation section of this manual.

- Enter a dark area before turning on the device.
- Remove the objective cap (1).
- Activate the device by pushing the “ON” button (3). The green LED (6) will light up.
- You can test your device in a light area without removing the protective cap. This will not damage your unit.
- 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 (2). The LED will light up red.
- Direct your device at an object at a distance of approximately 100m. Adjust the eyepiece and objective lens diopter setting to focus the unit by rotating the eyepiece (4) and objective lens (5).
- After the adjustment, do not rotate the eyepiece irrespective of the distance and other conditions.
- Direct your device at the subject to be viewed and adjust the final focus by rotating the objective lens (5) focusing ring until the image quality is optimal.
- When you are finished using the device, turn the unit off pushing the “ON” (3) button. Put the cap back on the objective lens and place the unit in the carrying case.





## **CAUTION!**

Your device can be used in extreme cold. However, when the unit is brought back into a warm environment, please wait for about 2-3 hours before using the unit again. Failure to do so may result in damage as a result of condensation accumulating on the internal circuitry of the unit.

## **MAINTENANCE**

- 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 unit housing with petroleum jelly applied by a soft, clean cloth.

## **STORAGE**

Always store the unit in its case in a dry, well-ventilated area away from heating/air conditioning vents (or other heating devices). Remove the batteries if the device is to be stored for longer than two months.

## **TROUBLESHOOTING**

### **The unit will not turn on.**

Check that the batteries are installed properly. Check the battery contacts to ensure they are clean and free of corrosion. Make sure that the external contact lugs are not broken. If necessary, replace the batteries. Also, be sure that the power is in the "ON" position when trying to turn on the unit.

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**Distinct black dots appear on the screen.**

These dots are minor cosmetic blemishes resulting from tube production processes and do not interfere with the reliability or performance of the unit.

**The unit flickers, flashes or “snows”.**

The unit may flicker or flash when used in a bright environment; to correct this, place the cap over the objective lens and enter a dark environment. The unit will restore itself to a natural functioning state in several minutes or hours, depending on how long the unit was exposed to the light.

The unit may flicker for the first several seconds of use, even when in a dark environment, before the unit corrects itself and functions properly.

The unit may “snow” for several minutes after being exposed to a bright light source (daylight, car’s headlights, fire, ect.) even if being operated in complete darkness.

**The image is not focused.**

Adjust the focus of the eyepiece and the objective (see “Use and Testing” section). Check that the lenses are not foggy or dusty; if they are, carefully clean the external surfaces of lenses with a soft cotton fabric. Replace the batteries if the total battery charge is less than 2.2V.

When the unit is brought into a warm environment from a cold one, condensation may appear on the internal lenses; you must wait two hours before using the unit.

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### **Visibility decreases or disappears.**

Bright light sources, such as headlights, 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 itself in several minutes.

## **WARRANTY**

Please visit [www.fire-field.com](http://www.fire-field.com) for warranty information and details.



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