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› FREE SOLDIER 20x50 Binoculars User Manual

## FREE SOLDIER 20x50 Binoculars

# FREE SOLDIER 20x50 Binoculars User Manual

Model: 20x50

Brand: FREE SOLDIER

## 1. INTRODUCTION

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Thank you for choosing FREE SOLDIER 20x50 Binoculars. These high-powered binoculars are designed for clear and detailed viewing of distant subjects, making them ideal for bird watching, hunting, hiking, concerts, travel, and sports events. Featuring BAK4 Porro Prisms and FMC lenses, they offer superior light transmission and image clarity. This manual provides essential information for setting up, operating, and maintaining your binoculars.



Image 1.1: FREE SOLDIER 20x50 Binoculars with included accessories.

## 2. WHAT'S INCLUDED

Your FREE SOLDIER 20x50 Binoculars package includes the following items:

- 1x FREE SOLDIER 20x50 Binoculars
- 1x Carrying Case with adjustable strap
- 1x Smartphone Adapter
- 1x Neck Strap
- 1x Lens Cleaning Cloth
- 1x User Manual

- Objective Lens Covers
- Eyepiece Covers

## Example Installation procedure



Image 2.1: All items included in the FREE SOLDIER 20x50 Binoculars package.

## 3. SETUP

### 3.1 Attaching the Neck Strap

Attach the provided neck strap to the designated loops on the binoculars. Adjust the strap length for comfortable carrying around your neck, ensuring the binoculars hang securely.

### 3.2 Adjusting Eyecups

The eyecups can be adjusted to suit users with or without eyeglasses. Rotate the eyecups up for use without glasses, and down for use with glasses. This ensures optimal eye relief and a full field of view.

### 3.3 Focusing the Binoculars

To achieve a clear image, follow these steps:

1. **Adjust Interpupillary Distance:** Hold the binoculars with both hands and adjust the distance between the two barrels until you see a single, circular field of view.
2. **Focus with Center Wheel:** Close your right eye and look through the left eyepiece. Rotate the central focus wheel until the image is sharp and clear.
3. **Adjust Diopter:** Close your left eye and look through the right eyepiece. Rotate the right eyepiece's diopter adjustment ring until the image is sharp and clear.
4. Once both eyes are focused, use only the central focus wheel for subsequent focusing on different distances.

## Free Extras & Careful Packaging

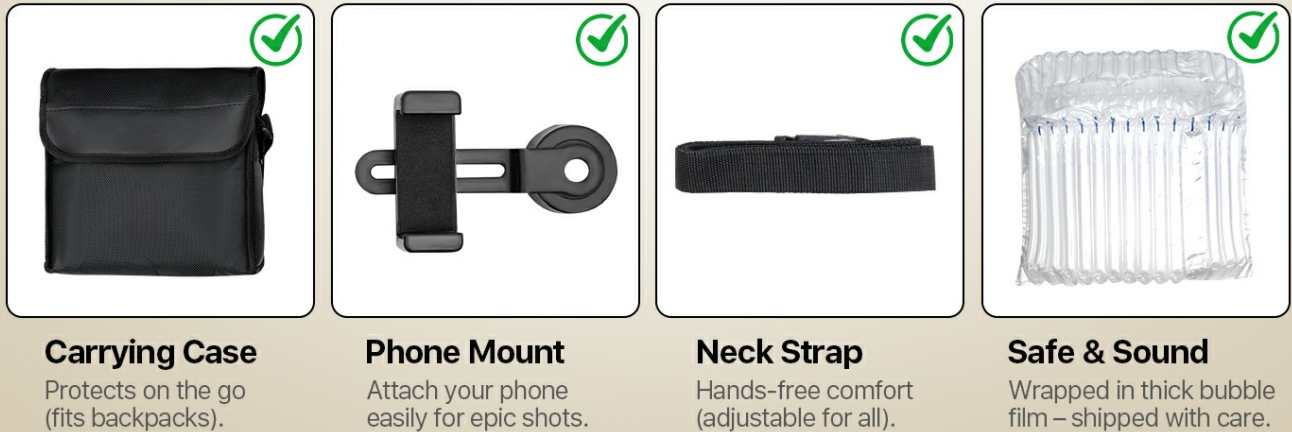


Image 3.1: Visual guide for focusing your binoculars.

### 3.4 Smartphone Adapter Setup

The included smartphone adapter allows you to capture photos and videos through your binoculars. Follow these steps:

1. Assemble the smartphone adapter components as shown in the diagram.
2. Open the adapter slot and securely place your smartphone into the adapter. Tighten the phone fixing knob.
3. Align the adapter's ring hole with your smartphone's primary camera lens. Tighten the ring fixing knob to secure the alignment.
4. Attach the adapter cylinder onto one of the binocular eyepieces. Ensure a snug fit.
5. Open your phone's camera app and adjust the binoculars' focus wheel until the image on your phone screen is clear.

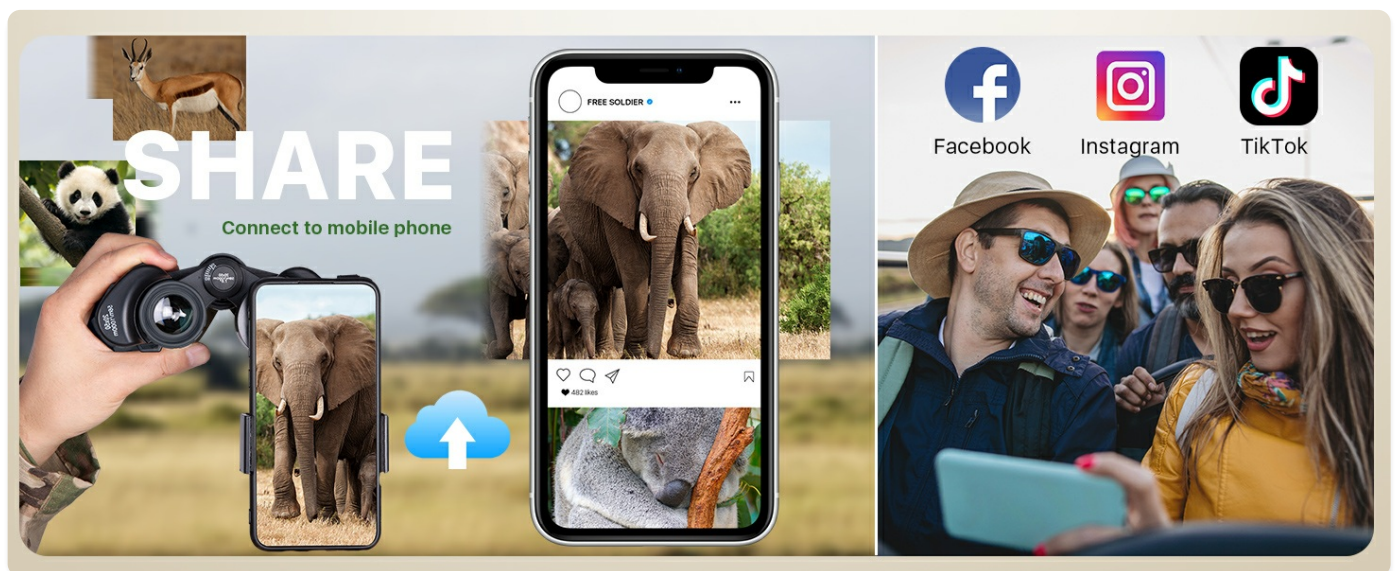


Image 3.2: Step-by-step guide for setting up the smartphone adapter.

## 4. OPERATING

### 4.1 General Usage

Once focused, your 20x50 binoculars provide 20X magnification, allowing you to observe distant objects with enhanced detail. The large 50mm objective lens and 28mm eyepieces contribute to a wide field of view and bright images.



## 20X Magnification

Get closer to the action and enjoy detailed views of distant subjects

Image 4.1: Illustrating 20X magnification for detailed viewing.

### 4.2 Low Light Vision

The 50mm objective lenses gather significant light, improving visibility in low-light conditions. While they enhance vision in dim environments, they are not designed for use in complete darkness.

### 4.3 Waterproof and Fog-Proof Design

These binoculars are designed with life waterproof and fog-proof properties, allowing for reliable use in various weather conditions. The non-slip rubber grip pads ensure a secure hold even when wet.

# Life Waterproof

Enjoy explore in any weather



Life Waterproof



Fog - proof



Low Night Vision



Image 4.2: Binoculars are designed for use in various weather conditions.

## 4.4 Product Videos

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Video 4.3: An official overview of the FREE SOLDIER HD Binoculars, highlighting key features and design.

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Video 4.4: A detailed look at the FREE SOLDIER 20x50 binoculars, showcasing their build and functionality.

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Video 4.5: A product overview video demonstrating the binoculars' features and accessories.

## 5. MAINTENANCE

### 5.1 Cleaning Lenses

Use the provided lens cleaning cloth to gently wipe the lenses. Avoid using abrasive materials or harsh chemicals, which can damage the lens coatings. For stubborn smudges, a small amount of lens cleaning fluid designed for optics can be applied to the cloth.

### 5.2 Storage

When not in use, store your binoculars in the included carrying case. Ensure the lens covers are in place to protect the optics from dust and scratches. Store in a cool, dry place away from direct sunlight and extreme temperatures.

### 5.3 Protection

Always keep the objective lens covers and eyepiece covers on when the binoculars are not in use. This prevents dust, moisture, and accidental damage to the delicate lens surfaces.

## 6. TROUBLESHOOTING

### 6.1 Unclear or Double Image

If you experience an unclear or double image, re-adjust the interpupillary distance and re-focus the binoculars using the central focus wheel and diopter adjustment as described in Section 3.3. Ensure the binoculars have not been subjected to severe impact, which could misalign the internal optics.

### 6.2 Fogging Lenses

While the binoculars are fog-proof, extreme temperature changes can sometimes cause temporary fogging. Allow the binoculars to acclimate to the ambient temperature. Do not attempt to disassemble the binoculars.

## 7. SPECIFICATIONS

| Feature                 | Specification            |
|-------------------------|--------------------------|
| Magnification           | 20X                      |
| Objective Lens Diameter | 50mm                     |
| Eyepiece Diameter       | 28mm                     |
| Prism Type              | BAK4 Porro Prism         |
| Lens Coating            | FMC (Fully Multi-Coated) |
| Field of View           | 1000 yards               |

|            |                           |
|------------|---------------------------|
| Waterproof | Yes (Life Waterproof)     |
| Fog-proof  | Yes                       |
| Weight     | 1.6 pounds                |
| Dimensions | 7.87 x 8.07 x 3.15 inches |

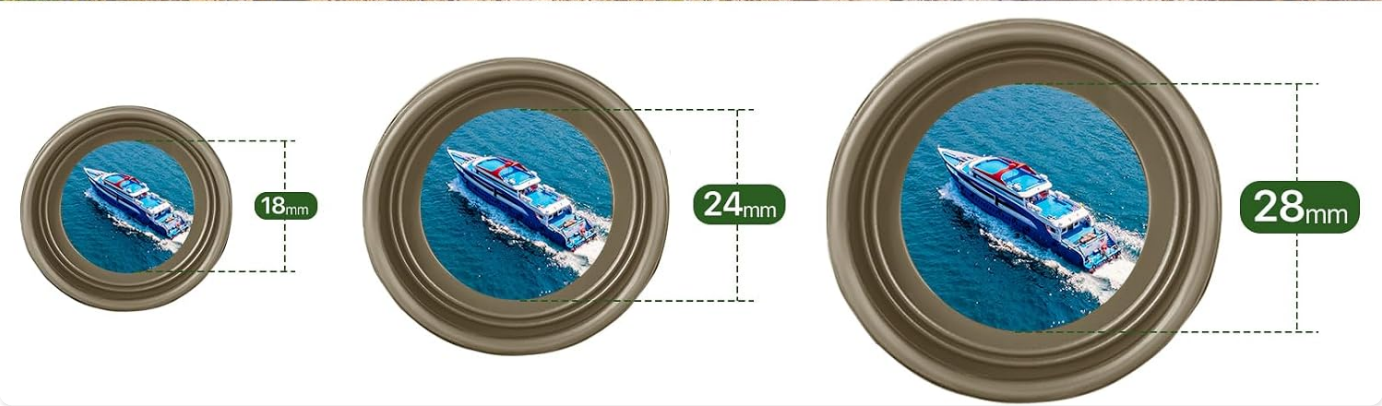


Image 7.1: Detail of the 28mm large eyepiece.

# Green Film Better Brightness

50mm Large - Diameter Lens  
BAK4 Prism

## Transmittance



Image 7.2: Illustration of FMC lens coating and BAK4 prism benefits.

## 8. WARRANTY AND SUPPORT

For any questions or concerns regarding your FREE SOLDIER 20x50 Binoculars, please contact our customer support. We are committed to providing assistance and ensuring your satisfaction with our product.

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**ASK A QUESTION ABOUT THIS MANUAL**

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

**Name**

Anonymous

**Email**

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

**Question**

Example: How do I reset this device or fix this error?

**Details**

Model number, symptoms, what you tried, or the section of the manual you are using.

**Submit question**