

[Manuals.plus](#) /

› [BRESSER](#) /

› Bresser Night Vision Device NightSpy 3x42 User Manual

BRESSER 1876000

Bresser Night Vision Device NightSpy 3x42 User Manual

Model: 1876000

Introduction	Safety Information	Package Contents	Parts Diagram	Setup	Operating
	Maintenance	Troubleshooting	Specifications	Warranty & Support	

1. INTRODUCTION

The Bresser Night Vision Device NightSpy 3x42 is a monocular designed for observation in low-light conditions or complete darkness. It features an integrated infra-red (IR) illuminator to enhance visibility when ambient light is insufficient. Its compact and ergonomically designed body allows for comfortable single-hand operation. The device is equipped with "soft-touch" operating buttons and indicators for power and IR status. High-grade glass material is used for the lens system, ensuring clear optical performance. A tripod adapter thread is included for stable, long-duration observation.



Figure 1.1: Front view of the Bresser Night Vision Device NightSpy 3x42, showing the objective lens and control buttons.

2. SAFETY INFORMATION

Please read all safety instructions carefully before using the device to ensure proper operation and to prevent damage or injury.

- **Do not expose the device to direct sunlight:** Never point the night vision device at the sun or any other strong light source, even when turned off. This can permanently damage the image intensifier tube.
- **Battery Safety:** Use only the specified battery type (2 CR123A). Do not mix old and new batteries, or different types of batteries. Dispose of used batteries according to local regulations. Do not attempt to recharge non-rechargeable batteries.
- **Water Exposure:** This device is not waterproof. Avoid exposure to rain, splashes, or high humidity.
- **Temperature:** Do not operate or store the device in extreme temperatures. Refer to the specifications for operating temperature ranges.
- **Cleaning:** Use only soft, lint-free cloths for cleaning optical surfaces. Avoid abrasive materials or harsh chemicals.
- **Disassembly:** Do not attempt to disassemble or modify the device. This will void the warranty and may cause damage.

3. PACKAGE CONTENTS

Verify that all items listed below are present in your package:

- Bresser Night Vision Device NightSpy 3x42 Monocular
- Carrying Case/Bag
- Wrist Strap
- Lens Cleaning Cloth
- Objective Lens Cap
- 2 x CR123A Batteries (pre-installed or separate)

- User Manual (this document)





Figure 3.1: Included accessories: carrying case, wrist strap, cleaning cloth, and lens cap.

4. PARTS DIAGRAM

Familiarize yourself with the different components of your NightSpy 3x42 device:

1. **Objective Lens:** Front lens that gathers light.
2. **Infrared (IR) Illuminator:** Emits invisible infrared light for observation in complete darkness.
3. **Power Button:** Turns the device on and off.
4. **IR Illuminator Button:** Activates and deactivates the IR illuminator.
5. **Power Indicator LED:** Green light indicates the device is on.
6. **IR Indicator LED:** Red light indicates the IR illuminator is active.
7. **Eyepiece/Ocular:** Where you look through to view the image.
8. **Diopter Adjustment Ring:** Adjusts focus for individual eye sight.
9. **Battery Compartment:** Houses the CR123A batteries.
10. **Tripod Mount Thread:** Allows attachment to a standard tripod.



Figure 4.1: Rear view showing the eyepiece and tripod mount thread.



Figure 4.2: Side view illustrating the overall compact design.



Figure 4.3: Close-up view of the eyepiece, showing the green image intensifier tube.

5. SETUP

5.1. Battery Installation

The NightSpy 3x42 requires two CR123A batteries. Ensure the device is turned off before installing or replacing batteries.

1. Locate the battery compartment cover, typically on the underside or side of the device.
2. Unscrew or unlatch the cover and remove it.
3. Insert two CR123A batteries, paying close attention to the polarity markings (+/-) inside the compartment. Incorrect insertion can damage the device.
4. Replace the battery compartment cover and secure it firmly.

5.2. Attaching the Wrist Strap

Attach the included wrist strap to the designated loop on the device to prevent accidental drops.

5.3. Tripod Mounting (Optional)

For extended observation periods or when maximum stability is required, the NightSpy 3x42 can be mounted on a standard photographic tripod.

- Locate the tripod mount thread on the bottom of the device.
- Screw the device onto the tripod's quick-release plate or mounting screw until secure. Do not overtighten.

6. OPERATING INSTRUCTIONS

6.1. Powering On/Off

- To turn on: Press and hold the **Power Button** until the green Power Indicator LED illuminates.
- To turn off: Press and hold the **Power Button** again until the green Power Indicator LED turns off.

6.2. Focusing the Image

The NightSpy 3x42 features a fixed focus objective lens and a diopter adjustment for the eyepiece.

1. Look through the eyepiece.
2. Rotate the **Diopter Adjustment Ring** on the eyepiece until the image appears sharp and clear for your individual eyesight. This adjustment only needs to be made once per user.

6.3. Using the IR Illuminator

The integrated IR illuminator provides additional illumination for viewing in very low light or complete darkness.

- To activate IR: Press the **IR Illuminator Button**. The red IR Indicator LED will illuminate.
- To deactivate IR: Press the **IR Illuminator Button** again. The red IR Indicator LED will turn off.
- **Note:** The IR illuminator consumes battery power. Use it only when necessary.

6.4. Observation Tips

- For best results, allow your eyes to adjust to the darkness before using the device.
- Avoid pointing the device at bright lights (e.g., car headlights, streetlights) as this can cause temporary image washout and potentially damage the intensifier tube over time.
- The image seen through the night vision device will typically be green, which is characteristic of Gen 1 image intensifier tubes.

7. MAINTENANCE

7.1. Cleaning

- **Lenses:** Use the provided lens cleaning cloth or a soft, lint-free cloth specifically designed for optics. Gently wipe the lens surfaces to remove dust or smudges. For stubborn marks, a small amount of lens cleaning fluid can be applied to the cloth (not directly to the lens).
- **Body:** Wipe the body of the device with a soft, damp cloth. Do not use abrasive cleaners or solvents.

7.2. Storage

- When not in use, store the device in its carrying case to protect it from dust, moisture, and impacts.
- Remove batteries if the device will not be used for an extended period to prevent battery leakage and potential damage.
- Store in a cool, dry place, away from direct sunlight and extreme temperatures.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not turn on.	• Batteries are dead or low. • Batteries are inserted incorrectly. • Battery compartment cover is not secured.	• Replace with fresh CR123A batteries. • Check battery polarity (+/-). • Ensure battery cover is fully closed and latched.
Image is blurry or out of focus.	• Diopter adjustment is incorrect. • Lenses are dirty.	• Adjust the Diopter Adjustment Ring on the eyepiece. • Clean the objective and eyepiece lenses with a soft cloth.
IR illuminator does not work.	• IR illuminator is not activated. • Batteries are too low to power IR.	• Press the IR Illuminator Button. • Replace batteries.
Image is too bright or washes out.	• Too much ambient light. • Pointing at a strong light source.	• Use in darker conditions. • Avoid pointing at bright lights.

9. SPECIFICATIONS

Model Name	NightSpy 3x42
Model Number	1876000
Magnification	3x
Objective Lens Diameter	42 mm
Image Intensifier Tube	Generation 1
Integrated IR Illuminator	Yes
Power Source	2 x CR123A Batteries (included)

Dimensions (L x W x H)	16.2 x 8.2 x 6 cm
Weight	500 Grams
Material	Glass (lenses), Durable Composite (body)
Tripod Mount	Yes
Focus Type	Fixed Focus (Objective), Diopter Adjustment (Eyepiece)

10. WARRANTY & SUPPORT

10.1. Warranty Information

BRESSER products are covered by a manufacturer's warranty. Please refer to the warranty card included in your product packaging or visit the official BRESSER website for detailed warranty terms and conditions specific to your region. The warranty typically covers defects in materials and workmanship under normal use.

10.2. Customer Support

If you encounter any issues not covered in the troubleshooting section, or require further assistance, please contact BRESSER customer support. Have your product model number (1876000) and purchase date ready when contacting support.

- Website:** Visit the official BRESSER website for FAQs, support resources, and contact information.
- Email/Phone:** Specific contact details can usually be found on the BRESSER website or in your product documentation.

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