

NIGHT VISION INSTRUCTIONS

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26-1020 (1.0 x 20) Goggle With Head Gear

Congratulations on the purchase of your Bushnell Night Vision Product. Bushnell Night Vision products are comprised of high quality image intensifier tubes and optics. Bushnell Night Vision products amplify existing light, allowing you to see in dark conditions too dark for the naked eye.

HOW NIGHT VISION WORKS

Bushnell Night Vision products collect and amplify existing light through the objective lens, which is then focused on the image intensifier. Inside the intensifier, a photocathode is "excited" by the light and converts the photon energy into electrons. These electrons accelerate across an electrostatic field inside the intensifier and strike a phosphor screen (like a green monochrome TV screen) which emits an image that you can see. It is the acceleration of electrons, which provides gain and enhances the image. This is a Generation I device.

USER'S GUIDE

Installing Batteries (See pic. 1)

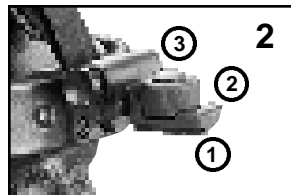
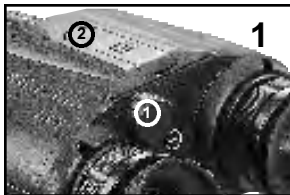
- Unscrew the Battery Compartment. (Picture 1, 1).
- Insert an "N" battery into the compartment + first.
- Reseal the Battery Compartment Cover.

Attaching The Goggle To The Headset

- Remove the cover plate (Picture 1, 2) from the upper rear of the Goggle (between the eyepieces).
- Slide the dovetailed bracket (Picture 2, 1) of the headset into the slot left by removing the cover plate from the Goggle.
- Tighten the screw on the bracket (Picture 2, 2).

Detaching The Goggle From The Headset

- Loosen the screw (Picture 2, 2) on the headset bracket.
- Push down on the release button (Picture 2, 3) on top of the screw. The Goggle cannot become detached unless you push this button.
- Pull the headset away from the Goggle.

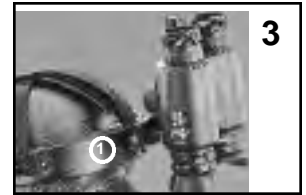


Attaching The Goggle To Your Head

- Release the two Velcro® straps on the rear of the Headset.
- Slide your head forward into the headset with your chin in the chinstrap.
- Close the two Velcro straps at the rear.
- Adjust all straps until the Headset feels most comfortable and secure.

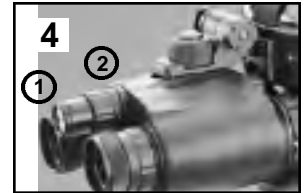
Adjusting The Goggle To The Vertical

- Push the side-mounted button (Picture 3, 1), situated to the rear of the attachment screw, inwards.
- Push the goggle upwards.
- The goggle will now lock in the vertical position.
- Press the button again to release.



Using The Power Switch

- **Never turn the scope on in daylight conditions with the lens cap off.** The pinhole in the lens cap allows you to test the scope in daylight conditions.
- To use the scope, turn the Power Switch (Picture 4, 2), situated to the rear of the IR Illuminator (Picture 4, 1) one click counterclockwise to the "ON" (1st red dot) position.
- To turn the scope off, turn the Power Switch one click clockwise to the "OFF" (white dot) position. The image will slowly fade out, possibly taking several minutes. This is normal and is not a defect.



To Activate The IR Illuminator

- Your Bushnell Night Vision Product includes a built-in infrared illuminator. This allows you to see in complete darkness when no ambient light source is available.
- Turn the Power Switch (Picture 4, 2) two clicks counterclockwise to the "IR" (2nd red dot) position. This will activate the built-in IR Illuminator allowing use in total darkness over limited range.
- Remember to turn the IR off after use.

To Focus (See pic. 3)

- Adjust the Eyepiece Focusing Rings (Picture 5, 1) and Lens Focusing Rings (Picture 5, 2) for the sharpest image.



TROUBLESHOOTING

Spots in the Image.

You may see spots in the image. These vary from scope to scope and are cosmetic blemishes inside the scope. These are normal for Night Vision scopes and are **NOT** a defect.

Scope will not turn on.

Check that the batteries are installed properly. Replace the batteries with new ones. Check the battery contacts to ensure they are clean and free of corrosion. This night vision binocular contains a light sensor on the right side (see figure 1). This sensor is a bright light protection circuit. Do not cover up this sensor when using in dark conditions. If focusing the unit during the day, (remember to do so with objective lenses on), you will need to cover this sensor with your finger.

Image is not focused.

Adjust the focus on the Eyepieces. You must be at least 8 inches/.0.2 meters from the subject you are viewing. If no improvement, clean lenses, they may be foggy or dusty.

Visibility decreases or disappears.

Night vision devices work by amplifying available light - they need reasonable levels of natural moonlight/IR light to give good results. Bright light sources such as headlights may cause visibility to degrade or disappear completely. Never point your scope towards such bright light sources or switch it on in a bright environment/daylight with the lens caps off. If exposed to bright light, protection circuits will turn the scope off automatically - it can function again after 1 or 2 minutes. Poor atmospheric conditions such as fog or extremely dark environments will decrease the visibility of the unit. Infra Red light sources, which night scopes are sensitive to, will increase range capability in very low light conditions.

Scope flashes.

The scope may flash when used in a bright environment. It may also flash during the first few seconds of use in dark environments.

CARE & MAINTENANCE

- When not using for an extended amount of time, remove batteries and store the product in a dry location.
- Avoid turning the product on in extremely bright light conditions.
- Handle this product like you would a camera. Though Bushnell Night Vision products are durably constructed, the image intensifier tube consists of glass and is subject to breakage.
- Keep the optics clean. We recommend using a camera cleaner kit to clean the outside of the objective and eyepiece lenses. Follow the directions with the kit.
- Do not disassemble this product. Unauthorized disassembly not only voids the warranty but may also cause damage from the lack of special tools and techniques.

WARRANTY / REPAIR

One-Year LIMITED WARRANTY

Your Bushnell® Night Vision is warranted to be free of defects in materials and workmanship for one year after the date of purchase. In the event of a defect under this warranty, we will, at our option, repair or replace the product, provided that you return the product postage prepaid. This warranty does not cover damages caused by misuse or improper handling, installation or maintenance of the product.

Any return made under this warranty must be accompanied by the items listed below:

- 1) A check in the amount of \$15.00 to cover the cost of handling
- 2) Name and address for product return
- 3) An explanation of the defect
- 4) Product should be well packed in a sturdy outside shipping carton to prevent damage in transit and return postage prepaid to the address listed below:

IN U.S.A. Send To:
Bushnell Performance Optics
8500 Marshall Drive
Lenexa, Kansas 66214

IN CANADA Send To:
Bushnell Performance Optics
25A East Pearce Street, Unit 1
Richmond Hill, Ontario L4B 2M9

For products purchased outside the United States and Canada please contact your local dealer for applicable warranty information. This warranty gives you specific legal rights. You may have other rights which vary from country to country.

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