

NBF – No Battery Finder

Operating Instructions

Overview

The **No Battery Finder (NBF)** is an eco-friendly alternative to the classic **Red Dot Finder (RDF)**. **NBF** uses the same mounting as the classic RDF and does not require batteries making it more friendly to our environment and one less maintenance issue for libraries. **NBF's** adjustment knobs allow the finder to be aligned to match the view in the telescope. The white crosshairs built into the **NBF** are typically visible without illumination, especially in urban skies. If not visible, the crosshairs can be illuminated with the red light of a headlamp. The crosshairs are made of “glow-in-the-dark” filament and can be temporarily illuminated through exposure to a bright light.



NBF's adjustment knobs

Operation and Use

A finder is an important tool when using a telescope because it helps the user locate objects in the night sky. The finder is mounted on the main telescope and has a much wider field of view than the main telescope, allowing the user to easily find and center the object they are looking for. This makes it easier to observe an object more accurately.

The **No Battery Finder (NBF)** is easy to use. Just follow these four easy steps:

<p>Step 1 - Choose a target: Decide on a celestial object you want to observe, such as the Moon, a planet, or deep sky object. Use a star chart or astronomy app to locate the object's position in the sky.</p> <p>Visit the homepage of librarytelescope.org for free charts of the night sky.</p>	
<p>Step 2 – Get the widest field of view possible: Rotate the barrel of your ZOOM eyepiece so that the arrow on the barrel is set to the 24mm setting. This will give you the widest field of view in your telescope to make objects easier to find.</p>	

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Step 3 – Center the object in the finder:

Look through the **NBF** and center the object in the crosshairs of the finder.

If you are not able to see the crosshairs, you can illuminate the **NBF's** crosshairs with your red headlamp. The crosshairs are made of "glow-in-the-dark" filament and can be temporarily illuminated through exposure to a bright light. But be careful not to lose your night vision by looking at the bright light and be cautious using bright lights around other telescope operators.



Step 4 - Observe the object:

Once the target object is centered in the telescope's field of view, you can adjust the focus and magnification to get a clear and detailed view in your eyepiece.

Enjoy the view of the cosmos! Remember to always use caution, and never look at the Sun with the telescope!



Not able to see the object in your telescope eyepiece?

If you can't see the object in your telescope eyepiece and the object is centered in the **NBF's** crosshairs, you may need to align the **NBF**.

To align your **NBF**, point the telescope at the Moon or bright star (night) or a distance object such as a tree, building, or sign (daytime), and center it in the eyepiece. Then, adjust the alignment knobs on the **NBF** until the crosshairs are also centered on the object.

