

TELRAD ATTFS

TELRAD Finder Sight Instruction Manual

Model: ATTFS

1. INTRODUCTION

The TELRAD Finder Sight is designed to simplify the process of aiming a telescope. Unlike traditional finderscopes, the Telrad provides a non-magnified, upright view that is continuous with the surrounding sky, making target acquisition intuitive and efficient.

It projects three concentric red rings onto the viewing window, which appear to lie among the stars. These rings correspond to specific angular sizes in the sky:

- The innermost ring outlines an area approximately the size of the Moon (0.5 degrees).
- The middle ring (1 degree).
- The outermost ring (2 degrees) outlines the area typically seen in a standard finderscope.

By aligning these rings with your desired celestial object, you can quickly and accurately point your telescope.



Figure 1: Front view of the TELRAD Finder Sight, showing the main body and viewing window.

2. SETUP AND INSTALLATION

2.1 Unpacking and Components

Carefully remove all components from the packaging. The TELRAD Finder Sight typically includes the main unit and a mounting base. Ensure no parts are missing or damaged.

2.2 Battery Installation

The Telrad requires two (2) AA batteries (not included) for operation. Locate the battery compartment, typically on the underside or side of the unit. Insert the batteries, observing the correct polarity (+/-) as indicated within the compartment.

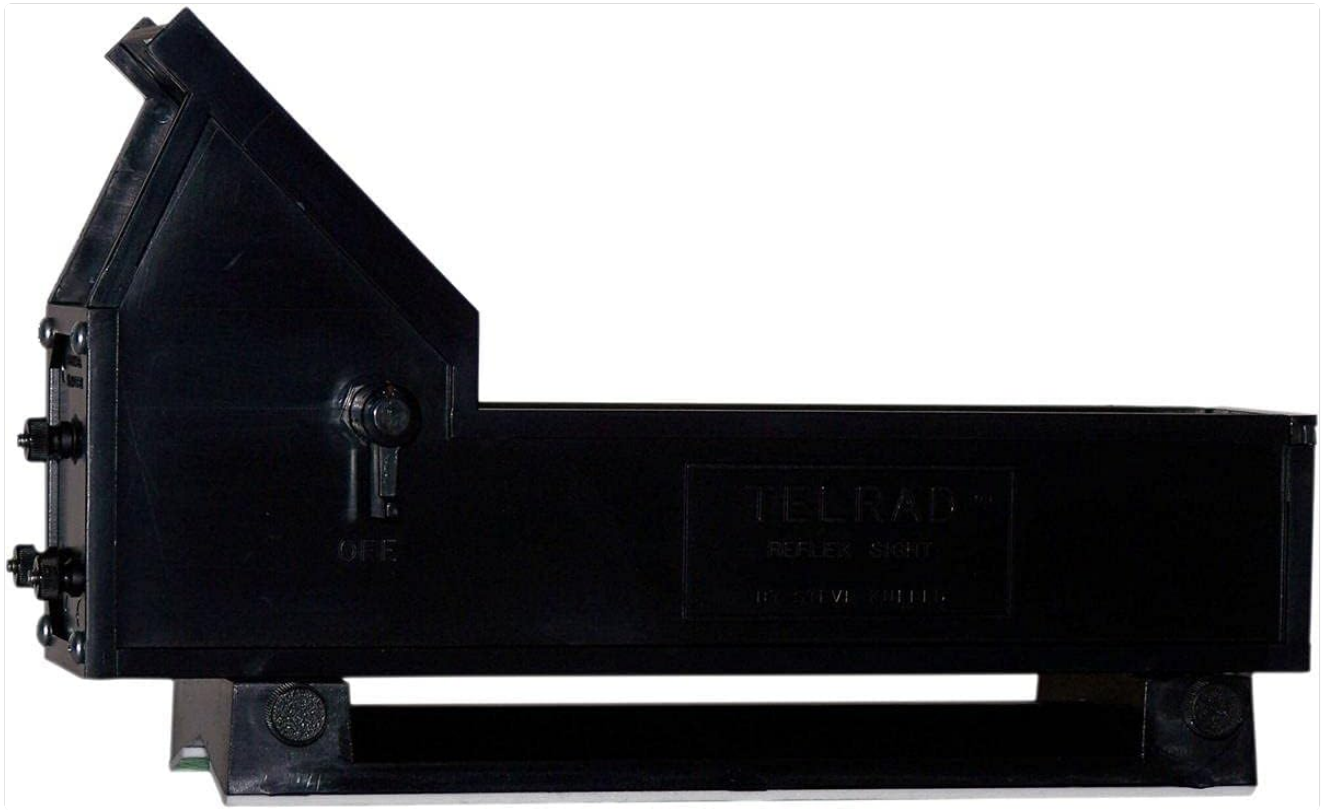


Figure 2: Side view of the TELRAD Finder Sight, illustrating the general area for battery access and controls.

2.3 Mounting the Telrad

The Telrad is designed for universal mounting on most telescopes without requiring drilling. The mounting base attaches to your telescope tube using adhesive pads (supplied). Ensure the telescope surface is clean and dry before applying the pads for optimal adhesion.

1. Identify a suitable flat area on your telescope tube where the Telrad will not obstruct other accessories or movements.
2. Clean the chosen area thoroughly to remove any dust, grease, or debris.
3. Peel the backing from the adhesive pads on the mounting base.
4. Carefully position the base on the telescope tube and press firmly for several seconds to ensure a secure bond.
5. Once the base is securely attached, slide the Telrad main unit onto the base. It is designed to lock into place for secure attachment and can be easily removed for separate storage when not in use.



Figure 3: Rear view of the TELRAD Finder Sight, showing the attachment points to the mounting base.

3. OPERATION

3.1 Powering On and Adjusting Brightness

Locate the power switch/brightness control knob, typically on the side of the unit. Rotate the knob to turn the unit on and adjust the brightness of the projected red rings. The brightness is highly variable, allowing for comfortable viewing in various light conditions, from bright twilight to dark skies. Note that the most significant change in brightness may occur within a smaller portion of the knob's rotation range.

3.2 Aligning the Telrad

Before first use, or if the Telrad has been removed and reattached, it must be aligned with your telescope's main optical axis. This process ensures that whatever is centered in the Telrad's rings is also centered in your telescope's eyepiece.

1. During daylight hours, point your telescope at a distant, stationary object (e.g., a distant tree top, a telephone pole).
2. Center the object precisely in the lowest power eyepiece of your telescope.
3. Look through the Telrad's viewing window. You will see the projected red rings.
4. Adjust the three alignment knobs on the Telrad (typically two for horizontal/vertical adjustment and one for fine-tuning) until the central red dot (or the center of the innermost ring) is precisely on the object you have centered in your telescope's eyepiece.

5. Verify alignment by moving your telescope to another distant object and checking if both the Telrad and the eyepiece are centered on it. Repeat adjustments if necessary.



Figure 4: Front view of the TELRAD Finder Sight, highlighting the adjustment knobs for alignment.

3.3 Using the Telrad for Target Acquisition

Once aligned, using the Telrad is straightforward:

1. Look through the Telrad's viewing window with both eyes open (if comfortable) to maintain situational awareness of the sky.
2. Identify your target object in the sky.
3. Move your telescope until the target object appears within the desired ring of the Telrad. For precise centering, aim to place the object within the innermost ring.
4. Once the object is centered in the Telrad, it should be visible within your telescope's eyepiece.

4. MAINTENANCE

4.1 Cleaning

Keep the viewing window and the main body of the Telrad clean. Use a soft, lint-free cloth for the body. For the viewing window, use a lens cleaning solution and a microfiber cloth specifically designed for optics to avoid scratching. Avoid abrasive materials or harsh chemicals.

4.2 Battery Replacement

If the projected rings become dim or do not illuminate, replace the two AA batteries. Always use fresh batteries and dispose of old batteries responsibly. It is advisable to remove batteries if the unit will not be used for an extended period to prevent leakage.

4.3 Storage

When not in use, detach the Telrad from its mounting base and store it in a clean, dry place, away from extreme temperatures and direct sunlight. The ability to unlock it from its base allows for convenient separate storage.

5. TROUBLESHOOTING

Problem	Possible Cause	Solution
Rings do not illuminate or are very dim.	Dead or incorrectly installed batteries.	Replace AA batteries, ensuring correct polarity.
Rings are not aligned with telescope's view.	Telrad needs alignment.	Perform the alignment procedure as described in Section 3.2.
Brightness control seems unresponsive for most of its range.	Normal operation for this model; most adjustment occurs at one end of the dial.	Continue rotating the knob through its full range to find the desired brightness level.
Telrad unit feels loose on its base.	Not properly seated or base adhesive is failing.	Ensure the Telrad unit is fully slid onto the base until it locks. If the base is loose, re-secure it to the telescope tube or replace adhesive pads.

6. SPECIFICATIONS

- Model: ATTFS
- Brand: TELRAD
- Material: Plastic
- Color: Red
- Objective Lens Diameter: 8 Inches
- Field of View: 5 Degrees
- Eye Relief: 8 Inches
- Mounting Type: Universal Mount (adhesive pads)
- Power Source: 2 x AA Batteries (not included)
- Approximate Dimensions (LxWxH): 10.4 x 6.5 x 3.9 inches
- Approximate Weight: 11 ounces (0.31 kg)
- Night Vision Capability: No

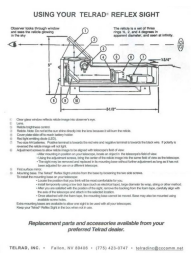
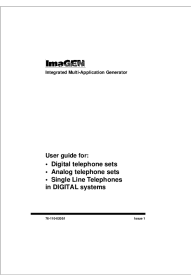


7. WARRANTY AND SUPPORT

For warranty information, technical support, or replacement parts, please contact TELRAD customer service. Details regarding specific warranty periods and terms are typically provided with your product packaging or can be found on the official TELRAD website.

Please retain your proof of purchase for any warranty claims.

For further assistance, visit the manufacturer's website or contact their support line.

Related Documents - ATTFS

	<p>Using Your Telrad Reflex Sight</p> <p>Instructions and guide for using the Telrad Reflex Sight, including its components, installation, and features. Learn how to align the reticle and mount the device on your telescope.</p>
	<p>Telrad ImaGEN User Guide: Integrated Multi-Application Generator</p> <p>User guide for the Telrad ImaGEN Integrated Multi-Application Generator, covering voice mail, message management, call handling, and advanced features for digital and analog telephone sets.</p>
	<p>Nology Product Catalogue Volume 5</p> <p>Explore Nology's comprehensive Product Catalogue Volume 5, featuring a wide array of Unified Communications & Collaboration, Networking, Consumer, and Managed Services products. Discover leading brands and solutions designed to connect, communicate, and collaborate.</p>
	<p>Côte d'Ivoire Approved Radioelectric Equipment List 2024 ARTCI</p> <p>Discover the official list of radioelectric terminals and equipment approved in Côte d'Ivoire for 2024, compiled by ARTCI. This catalog features a wide range of electronic devices, including mobile phones, automotive systems, and wireless chargers, ensuring regulatory compliance.</p>