

# READ THIS FIRST!

## OBERWERK 25/40x100 Long-Range Observation Binocular with OBERWERK TR3 Hardwood Tripod - Basic Operating Instructions

### Setting up the Tripod


- Unbuckle the strap that holds the legs together for transport.
  - Set the leg length for your height. Loosen the leg clamp screw, and open each leg to 46" as a starting point. Tighten the leg clamp to hold that position. Tighten the leg clamps firmly so the leg does not slip and collapse under the weight of the binocular.
  - Spread the tripod legs open and place on the floor. The leg angle is adjustable, but we recommend 20.5 degrees for maximum strength and stability. To adjust, loosen the spreader arm clamp, adjust the angle, then tighten the clamp. The clamp knob should always be made parallel to the spreader arm when fully tightened. The knob is spring-loaded. Pull outward and rotate to make parallel. This is especially important if you are using the Oberwerk eyepiece/beverage tray.
- NOTE- Occasionally check the tightness of the leg clamps as wood can expand and contract with changes in humidity.

### Using the Tripod

- Carefully lift the binocular from the case and slip the tubular mount over the shaft on the top of the tripod. Note that the mount post is folded to the back in order to fit in the case, which means the binocular's initial position will be pointing almost straight up.
- Once the binocular is seated on the tripod, tighten the lower thumbscrew on the mount shaft to lock the binocular onto the tripod.
- Grab the binocular with a hand at each end and firmly pull it level so that it is pointing out to the horizon.
- The upper knob on the mount shaft is used to tighten or lock the altitude bearing, this is normally left fully loosened.
- To steer the binocular, place both hands on the prism housings (the large black "cans" just forward of the eyepiece turrets), and apply firm pressure to move left/right or tilt up/down.
- Once the binocular is mounted on the shaft, do not attempt to make large adjustments in tripod height. Small adjustments can be carefully made by using one hand to grip the upper part of the leg to act as a temporary "stop" when loosening the leg tensioner. Move each leg no more than two inches at a time to prevent the tripod from becoming unbalanced.
- We recommend removing the binocular from the tripod for large changes in height, or when moving to another viewing location.



### Eyepieces and Focusers

- The Oberwerk 25/40x100 comes with two eyepiece pairs, for low and high power, mounted on rotating turrets. The smaller eyepieces are 40x magnification, the larger ones are 25x magnification. Rotate the turrets until they snap into position, as shown below. It's best to start with the 25x eyepieces.
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- Adjust the IPD (Inter-Pupillary Distance). This matches spacing of the eyepieces to spacing of your eyes. While looking through the eyepieces, grab the big round prism housings (the black cans) and twist them together or apart. They are internally geared, and move in unison. Move them until both eyes are seeing whole and well-merged images.
  - Each of the eyepieces has a built-in helical focuser. To focus on an object, gently close one eye and adjust the opposite focuser (rotate the grip ring clockwise/counter-clockwise) until the image is in sharp focus. The eyepiece must move inward (clockwise) to focus on distant objects, and outward (counter-clockwise) to focus on closer objects. Close the other eye and repeat for the other eyepiece.
- The focus range using the 25x eyepieces is from about 50 feet to infinity (the night sky). On the other hand, the 40x eyepieces have a focus range of roughly a half-mile to infinity. Only the 25x eyepieces can be used when viewing targets less than a half-mile away.

### General Viewing Info

- Viewing through a window? Viewing through a window may degrade the quality of the image through the binocular. For most windows, the effect on image quality is minimal, but certain windows, especially triple-glazed, or those with screens, can noticeably degrade the view, especially at 40x magnification. If image quality is less than expected, set up the binocular outdoors to see if the problem is due to the window.
- **This binocular is not weatherproof.** While it can be used outdoors, do not leave it outside if there is a chance of rain unless you are using the Oberwerk Weatherproof Cover.

For questions or problems, contact Oberwerk Corporation by phone at 937-640-1040 or email to [support@oberwerk.com](mailto:support@oberwerk.com).