



# Orion Starblast 4.5 Equatorial Reflector Telescope

## Quick-Start Guide

This guide is meant to assist with the basic initial assembly of the telescope to help avoid damage to the components before use. To ensure proper operation of the telescope, please refer to the included manual to learn how to properly aim, adjust, and use the telescope.

### Assembling the Telescope

#### **Erect the Stand and Attach to Accessory Tray**

Open up the tripod legs of the stand. Locate the separate triangular accessory tray and remove the three wing nut screws. Place the tray between the tripod legs atop the three brackets. Screw the wingnuts up from the bottom to attach the tray. *Please note: It is very important to attach the tray to the tripod to keep the legs stable and in position.*

#### **Attach the Optical Tube to the Stand.**

Open the tube rings by loosening their knurled ring clamps. Place the green optical tube on the rings, making sure to line up marks on the tube with the rings. Re-secure the tube rings and tighten the knurled ring clamps.

#### **Secure the EZ Finder to the Optical Tube**

The EZ Finder will make it easier for you to aim the telescope at celestial objects. Attach it to the optical tube by sliding it onto the mount locating on the top front-end of the tube. Tighten the screws to secure it in place. Turn the black dial on the side to activate the infrared light (be sure to turn the dial back off after use to preserve the battery).

#### **Insert the Eyepiece into the Optical Tube**

Gently remove the black cap from the focuser and insert the eyepiece into the focuser drawtube, making sure the rubber side is facing out. We recommend using the low-zoom 15mm eyepiece. Secure it in place with the thumbscrews on the end of the drawtube. *Please Note: It is very important that this step is performed properly to avoid damage to the telescope and keep detritus from falling into the tube.*

#### **Using the Moon Filter**

The Moon Filter is not required for viewing, but can be used to add detail to the moon's image. If you want to use it, make sure to attach it to the opposite end of the eyepiece (the end without rubber). Attach it by gently screwing it into the eyepiece, being careful not to damage the threads.

Visit us online for more telescope video tutorials and guides:

<http://brownell-libraryri.org/telescope/>



## Disassembling the Telescope

After use, please ensure all components are properly removed and placed back securely within the carrying bag. Follow the steps in order below to ensure safe disassembly.

### **EZ Finder**

Loosen the EZ Finder to remove it from the bracket. Make sure the dial is turned off and the infrared light is off before placing the EZ Finder back into accessory bag.

### **Eyepiece**

Loosen the screws on the focuser drawtube and remove the eyepiece. Make sure to cover both ends of the eyepiece with the included caps and place it back into its box, and place the box in the carrying bag. Reattach the drawtube cap and tighten the screws.

### **Optical Tube**

Re-attach the optical tube's large cap. Loosen the knurled ring clamps and open the tube rings. Remove the optical tube and place it down gently on its side in a safe place. Latch the tube rings closed and re-tighten the knurled ring clamps.

### **Accessory Tray**

Unscrew the wingnuts to detach the tray from the tripod. Once removed, screw the wingnuts back into the tray to keep them secure and ensure they are not lost.

### **Tripod Stand**

Latch the tube rings closed and re-tighten the knurled ring clamps. Close the stand and adjust the assembly so the counterweight lies relatively flat against the stand. Gently lay the stand flat down on its side.

## Repacking the Carrying Bag

Place the stand in the bag and secure it using the velcro straps. The tube rings should be on one side of the bag and the tripod feet on the other. On the opposite side of the foam divider, place the optical tube in the bag and firmly secure it using the velcro straps. On that same side, place the bag holding all of the accessories in the open space. Ensure all components, screws, and caps are accounted for and zip up the bag.

Note: The kit also includes two option "slow-motion control" rods, which can be attached to the assembly to grant very subtle control while aiming the telescope at celestial objects. In most cases, you will not need these. However, if you decide to use them, please refer to pages 6-7 in the instruction manual, and make sure to detach them before placing the stand back into the case.

Visit us online for more telescope video tutorials and guides:

<http://brownell-libraryri.org/telescope/>