



Assembly Guide : 90mm Cassegrain with iOptron

INTRODUCTION

Congratulations! You have bought a wonderful telescope. This is a precision optical instrument, and you have many wonderful evenings of observing the night sky ahead of you. This guide is to help you assemble your telescope properly.

We know that many people are visually oriented and that pictures of the assembly process are helpful. We have put this guide together to help you assemble your telescope for your first night of observing.

Once your telescope is assembled and ready to go, the rest is up to you. Learning astronomy is all the fun anyhow! So let's get started . . .

ASSEMBLING THE TELESCOPE

Step 1 Attach the iOptron SmartStar Cube to the tripod as shown in Figure 1.



Figure 1 – Attaching the SmartStar Cube.



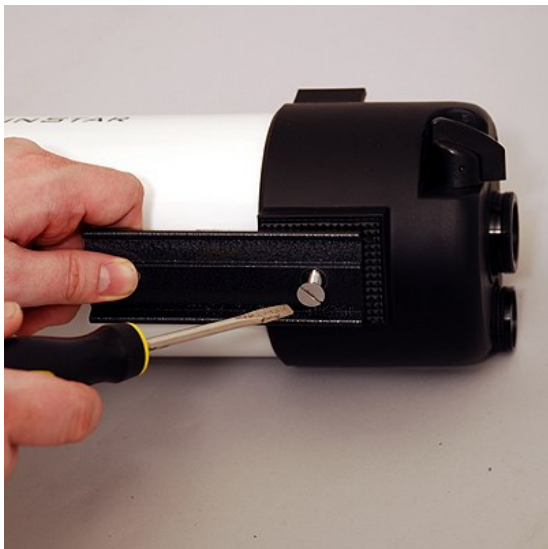
Step 2 Attach the Accessory tray to the tripod as shown in Figure 2.

Figure 2 – Attaching the Accessory Tray.

Step 3 Your iOptron SmartStar tripod and mount is ready to go!



Figure 3 – The completed iOptron Smart-Star tripod and mount.



Step 4 Your 90mm telescope needs a “dovetail mounting plate” attached to the bottom. Sometimes, the plate will come pre-attached to the telescope. You may skip this step if your mount plate is pre-attached. Other times, you may have to attach the plate yourself. It’s easy. Using a screwdriver, simply attach the dovetail mounting plate to the bottom of the telescope. Be sure the long end of the mount plate is oriented to the front of the telescope as shown in Figure 4

Figure 4 – The 90mm Telescope tube, the dovetail mounting plate and screw.

Step 5 Once the mounting plate is attached to the telescope, simply slide the assembled telescope right into mount and lock it in place with the set screw as shown in Figure 5.



Figure 5 – Attach the telescope to the mount.

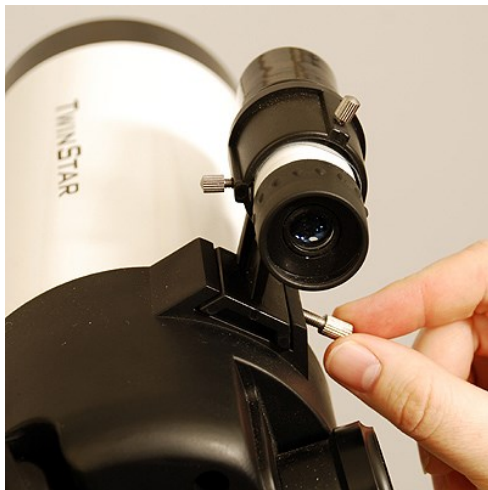


Figure 6 – The optional sighting scope can be attached to the telescope tube.

Step 6 Next, you can attach the optional sighting scope to the main telescope as shown in Figure 6

Step 7 The angle prism screws into the back of the telescope tube as shown in Figure 7.



Figure 7 – The angle prism screws into the telescope tube.



Step 8 Finally, insert one of your eyepieces into the back of the angle prism, as shown in Figure 8, and you are ready to begin observing. Be sure to tighten the set screw that holds the eyepiece in place.

Figure 8 – An eyepiece goes into the angle prism. Be sure to tighten the silver set screw.

Step 9 Check the flip mirror switch. This switch lets you choose to observe through the back of the telescope or the top of the telescope. To observe using the back of the telescope, the switch should be oriented parallel to the telescope tube, as shown in Figure 9.



Figure 9 – The flip mirror is set so that the image can be seen through the back of the telescope.

Thanks again for your business. We hope you enjoy your new telescope!