

Assembly Guide : 80mm Refractor 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 on-line guide is to help you assemble your telescope properly.

We know that many people are visually oriented and that pictures of the assembly process would be helpful. Since your telescope assembly guide and instruction manual does not have a lot of pictures, we have put together this online guide 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 80mm telescope needs a dovetail mounting plate; attached to the bottom. Sometimes, the plate will come pre-attached to the telescope. Other times, you may have to attach the plate yourself. It's easy. Shown in Figure 4 is the mounting plate and the small mounting screw.

Figure 4 – The 80mm Telescope tube, the dovetail mounting plate and screw.

Step 5 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 5. You may skip this step if your mount plate is pre-attached.



Figure 5 – Attach the dovetail mount plate to the telescope.



Figure 6 – Attach the telescope to the mount.

Step 6 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 6.

Step 7 Next, you can attach the optional sighting scope to the main telescope as shown in Figure 7.



Figure 7 – The optional sighting scope can be attached to the telescope tube.



Figure 8 – The angle prism fits into the telescope tube.

Step 8 The angle prism fits into the back of the telescope tube as shown in Figure 8.

Step 9 Finally, insert one of your eyepieces into the back of the angle prism, as shown in Figure 9, and you are ready to begin observing. Be sure to tighten the set screw that holds the eyepiece in place.



Figure 9 - An eyepiece goes into the angle prism. Be sure to tighten the set screw.

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

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