

DiscMounts, Inc.

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DM-4 QUICK SET UP!

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Mount

Position the mount so when looking at the blue logo the Altitude axis with the saddle installed (top axis where the telescope will be mounted) is to the left. The Altitude (AL) Friction adjusting nut is located behind the rear AL disc. There's a gap between the top cover plate and rear disc, which will allow you to slide the wrench onto the adjusting nut. Likewise, the Azimuth (AZ) (lower disc where the tripod screws into) friction nut is located on the top plate of the AZ disc. Again, there's a gap between the rear cover plate and AZ disc to allow friction adjustment. While standing in front of the saddle, slide the telescope into the saddle and lock the telescope in place with the saddle knob (make sure the dove tail plate is centered in the saddle). The telescope objective should be to the left and the eyepiece to the right.

Balance and friction adjustment

Altitude Axis

For the initial set up the two cover plates can be removed or left in place. Using the friction adjusting wrench loosen the Altitude axis (the top axis) friction nut about one turn until the axis turns freely. With diagonal or bino viewer installed (no eyepiece) slide the telescope in its rings until it is balanced and does not turn on the axis. Now mark the position of the telescope tube in its rings (a piece of tape will work). Install your heaviest eyepiece (two if binos) into the telescope. Move the focuser a little past focus. Again, slide the telescope in its rings until it is balanced and mark the tube. Now slide the telescope half way in between the two marks and tighten the rings. Tighten the Altitude axis friction until the telescope stops turning but no more. Remove the eyepiece and insure the telescope is staying in place. Add just a little friction to allow some margin in focus travel. Minor friction adjustments may be needed. You should be able to remove or install any eyepiece lighter than your heaviest eyepiece without the telescope moving.

Azimuth Axis

The Azimuth axis should be adjusted with a little more tension than the Altitude! There should be enough tension to insure the disc are pulled together and not held in place just by the weight of the mount. Too little friction will result in vibration caused by the axis jumping, rather than sliding on the friction disc.

Minor adjustments in both axes may be required until the mount breaks in. If you removed the covers reinstall them.

Have fun and clear skies!