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# How To Polar Align Your Nexstar 8i Telescope

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## **How To Polar Align Your**

Polar alignment is the process of accurately aligning the polar axis of your mount with the north (or south) celestial pole. The polar axis does not move when you move the telescope. Simply put, you need to make sure that your telescope mount is rotating on the exact same angle the sky turns on.

## **Easy Polar Alignment for Astrophotography - [Step by Step]**

When you do PA, you are pointing your mount at the celestial pole. If you are in the Northern Hemisphere, you have to align to the Northern Celestial Pole (NCP); if you are in the Southern Hemisphere, you have to align to the Southern Celestial Pole (SCP).

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## **Polar Alignment For Astrophotography | Aligning How-To Guide**

Stay alert and keep on doing that in the horizon until your polar scope reaches that distinct point. You can use the knob that is marked as alt/az. Adjust the Inclination. This is the final step of aligning your telescope. However, if you are still confused that your polar scope is not pointing correctly, consider repeating the steps.

## **How to Polar Align a Telescope during the Day?**

Polar Alignment Step-by-step: [https://astrobackyard.com/polar-alignment/Polar alignment is an essential part of your telescope set up process. In this video ...](https://astrobackyard.com/polar-alignment/Polar%20alignment%20is%20an%20essential%20part%20of%20your%20telescope%20set%20up%20process)

## **How to Polar Align Your Telescope Mount - EQ Polar ...**

A good polar alignment can be achieved in five steps. First, point the tripod of the mount to the the north if you are in the

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northern hemisphere and south when you are in the southern hemisphere. Second, level your tripod. Third, put your mount into the correct latitude position.

## **Five tips to polar align your telescope mount like a pro ...**

Second Method: 30 Seconds To Polar Align Your Telescope. This is a rough estimation method for polar alignment. But the good thing is, it only takes 30 seconds once you get the hang of this method. Also, all you need to have is a smartphone with a planetarium app.

## **How To Polar Align A Telescope During The Day? [Just 30 ...**

Of course it is better to have your polar axis more or less at the latitude of the place, and pointing south. Since these finder scopes are made for the northern hemisphere, where the sky rotates in the wrong direction (not the right direction like in the south : ) ), all the settings with dates and time on certain polar alignment scopes are ...

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## **How to polar align in the southern hemisphere | SPACE**

When you'll level it out, your RA axis will be parallel to the Earth's axis and you'll be very close to be Polar Aligned. There is another thing left to do after all of the steps above. I turn the mount on and feed the handset with all the current data and proceed to Star Alignment procedure.

## **Polar Alignment when Polaris not visible**

Polar Alignment is a tedious task for beginner Astrophotographers. However, it gives you access to long exposure photography. Imaging the deep sky is far-fetched if your scope is not polar aligned. We give a comprehensive guide on polar Alignment. This section deals with polar Alignment using a wedge.

## **How do you Polar Align using an Alt-Az Mount with a Wedge?**

Navigate to the Polar Alignment button

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in the main menu located within "Tools".

1. Plate Solving the Image After clicking on Polar Alignment, SharpCap will try to plate solve the image coming from your guide camera.

## **Fine Tune Your Polar Alignment in SharpCap [Step by Step]**

If you want to make use of this method to polar align your telescope during the day, you need to have a good compass – in this case, a real, physical compass with hairline sight. The sighting hairline of the compass will enable you to measure the bearing of the horizon. This will, in turn, ensure a more accurate alignment for you.

## **How to Polar Align a Telescope During the Day**

Set up your mount as you would for polar alignment. The DEC setting circle should read 90 degrees. Rotate the telescope in Right Ascension so that the finderscope is positioned on the side of the telescope tube. Adjust the mount in

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altitude and azimuth until Polaris is in the field of view of the finder and centered in the cross hairs.

## **Polar Alignment - TelescopesPlus**

Polar aligning your telescope can be split into three main steps: Setting up your mount; Balancing your scope; Polar aligning your mount. Setting Up your Mount. Step 1. Set up your new equatorial mount on a flat surface. Ensure that the mount/tripod is level by using a spirit level (some mounts have one built in). Step 2.

## **How to Polar Alignment in the Southern Hemisphere**

Aligning to the North Star: Ok..Now that we have the scope balanced so that it will move in either direction freely, and stay put wherever we let go of it, it's time to "Polar Align" it.First, we will need to set the "Latitude Adjustment" to our particular Latitude, which can be obtained by calling a nearby airport, and asking what the latitude is for your area.

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## **Polar Align Your Telescope, Here's How. - an Astronomy Net ...**

Rotate the protractor until the string's shadow points to the Sun's known azimuth (measured from north through east) plus  $180^\circ$ . Finally, swivel the mount until the polar axis stands directly above  $0^\circ$  on the protractor. You are now polar-aligned.

## **How can I polar align in the daytime? - Sky & Telescope ...**

The "Polar Alignment Scope" method mentioned below, with a polar alignment scope marked for the Southern hemisphere, is your best bet. How Hard Is It? In that last point, we talked about the NCP being very close to Polaris, and implied that just pointing at Polaris may be good enough.

## **Polar Alignment of your Equatorial Mount - The Blog ...**

The basic aim of Polar Alignment is to align the telescope mounts Right

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Ascension (RA) axis to Polaris. This picture shows the RA Axis of a standard equatorial mount and the motion the axis operates in. This is in the same plane as the one in which the stars appear to move.

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