

## Setting Autoguider

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### Setting Autoguider

The Orion StarShoot is an easy-to-use, affordable autoguider for long-exposure astrophotography. Plug it into an autoguider port on your mount and let it do the work for you. It comes with the software and cables needed to work right out of the box!

### How To Use an Autoguider | Orion Telescopes: Videos

The Left, Top, Width, and Height controls set the subframe area used for the Expose and Calibrate modes. These can be set from the image using the mouse and a previously acquired autoguider image: hold down the left button and drag the mouse on the Autoguider Image while the Autoguider Settings dialog is open to this page.

### Guider Settings - diffractionlimited.com

A lower setting will make the autoguider corrections more stable and prevent overcorrection. In most cases it is recommended that you use a setting no higher than 8. For mounts with very smooth tracking you may wish to back the aggressiveness down to 3; this has the advantage of smoothing the guider corrections, effectively averaging successive guider measurements.

### Autoguider Troubleshooting - Diffraction Limited

Complete inspection of the mount head. Complete dismantling of the mount head. Inspection and cleaning of each part - removing all metal burrs, shavings, thick grease and foreign objects. High-resolution sanding and polishing of moving internal parts resulting in high smoothness of internal metal ...

### Autoguiding a Telescope for Deep Sky Astrophotography ...

An overview for those who have never guided and some tips for advanced users who already know their way around a guiding graph. PHD2 is downloaded via <https://>...

### PHD2 Guiding - Setup, Troubleshooting & Tips - YouTube

The first thing you need to do is polar align your mount. This means aligning the right-ascension axis parallel to the Earth's axis of rotation. Otherwise, even with perfect guiding a telescope for imaging, everything in the photograph will circle slightly around your guidestar, a problem known as field rotation.

### Guiding a Telescope for Imaging Like a Pro - Sky ...

Setting up your mount and make a very accurate polar alignment in just a few minutes with a digital application of the Scheiner Method (drift alignment). By measuring the stars drift, the MGEN Autoguider calculates the misalignment and you can easily correct it using the built in display (live view).

### Lacerta MGEN-3 ★★★ The sensitive standalone autoguider

"Orion's StarShoot AutoGuider worked great. It was simple to set up and start guiding accurately. The resulting photos showed well-tracked, pinpoint stars." "A nice feature of the StarShoot is its simple cable connections. There's an RJ-12 jack on the camera, allowing it to connect directly to the mount with a single, simple cable.

### Orion StarShoot AutoGuider | Orion Telescopes ...

Stand-Alone autoguider eliminates the need for a laptop computer; Sensitive CCD sensor allows you to track on fainter stars; Larger chip provides more area for locating and keeping guide star on chip; Automatic calibration of each axis in addition to automatically setting guide rate parameters; Battery pack provides free and unrestricted use in ...

### NexGuide Autoguider | Celestron - Telescopes, Telescope ...

Sometimes I just use my optical off axis guider if I dont want to spend the time setting up the autoguider. I would have given 5 stars because this thing is pretty cool but the menu's are a bit clunky. The actual autoguider is well made but the cords are a bit cheap and stiff. A wireless remote would make this a lot better.

### Amazon.com : Celestron NexGuide, Autoguider Perfect for ...

For example if the autoguider camera uses a 1.25" nosepiece you could use 1.25" extension tube (e.g. a barlow lens with the barlow removed). If the autoguider uses a removable nosepiece, leaving a T-2 female thread, you could use one or more of the three T-2 based threaded spacer extension tubes of 6mm, 11.55mm and 24.25mm lengths that are ...

### Quick Guide to Setting Up Focusing and Star Selection for ...

An autoguider is a digital camera with a CCD or CMOS detector at the focus of the guidescope or, in the case of an off-axis guider, at the focus of the imaging instrument after some of its light has been diverted by a small prism.

### What is an autoguider? - skyatnightmagazine

The Sky-Watcher SynGuider is a simple and elegant stand-alone autoguider that can guide a German Equatorial Mount equipped with an St-4 autoguider port without the use of a PC/Laptop. Features real-time star image display, standard ST-4 autoguider interface, user upgradeable firmware and M42 or 1.25" telescope connections.

### Sky-Watcher Synguider Autoguider II | First Light Optics

Starlight Xpress Lodestar X2 Autoguider. The Starlight Xpress Lodestar X2 Autoguider is a popular guide camera for deep-sky astrophotography. In fact, the original Lodestar was considered to be the best autoguider on the market for a long time.. The X2 version is the successor to the original Starlight Xpress Lodestar autoguider and uses a Sony ICX829 Exview sensor.

### Using a Starlight Xpress Lodestar X2 Autoguider for ...

Press the USB-icon button and connect to your guide camera and mount. Pick an exposure duration from the drop-down list. Hit the loop button and look at the available stars, adjusting focus if necessary. Move the mount or adjust the exposure duration as needed to find a suitable guide star.

### Using PHD Guiding

In order to actual do the 'auto-guiding', you'll need a free application - PHD2 . This program has two main functions. First, it will find a guide star and lock on. After a guide star has been selected, PHD2 can send commands to your star tracker, which should keep the guide star centered in the crosshairs.

**Peter Zelinka | Auto-Guiding with the SkyGuider Pro**

Telescope autoguiders can track stars and monitor drift alignment before taking exposures. Browse our selection of astrophotography autoguiders online.

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