



PEGASUS ASTRO Scops OAG Axis Guider Installation Guide

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QUICK INSTALLATION GUIDE

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Scops OAG Axis Guider

Scops OAG is a motorized Off-Axis Guider. Specialized for remote operation, allows you to adjust the guide camera focus with great precision.

Easy to be operated via ASCOM focus drivers or standalone software is going to make your life easier to guide your eq mount.

A large 10×10 mm fully multicoated & anti-reflection mirror offers full illumination to the guiding camera. Stars are round and bright across all the OAG 's fields. OAG thickness is 31.4mm capable to support heavy imaging equipment. It has a 50mm clear aperture and accepts M54 threaded adapters on both sides



Operating Instructions:

- Screw both M54 adapters to the OAG body (one adapter on each side). Extra adapters are sold separately. [Please click here](#)
- Adjust the prism height (check the paragraph below)
- Place the OAG to your telescope and to your imaging setup (camera/filter wheel).
- Plug the USB2 cable to the OAG and to your computer. (Red LED on the side will turn on after 4 seconds indicating that the device is fully operational).
- Download USB drivers, standalone software, or ASCOM drivers from pegasusastro.com/support in order to connect to the device.
- Focus on the OAG guider to match the back focus distance with your imaging camera.

Adjusting the prism height: The prism height can be adjusted to allow better illumination of the field of view of the guiding camera.

If your imaging /main camera sensor is large you have to move the prism upwards to disallow blockage of the sensor's optical path. On the side of the OAG's body, there is a 3mm set screw (requires an Allen wrench – not included) which allows sliding the prism housing up or down (gently by moving it with your fingers). Tighten again the set screw to lock the prism position. Make sure to adjust the height before mounting the OAG to the imaging train.

Warning: Loosening the set screw forces the prism housing to slide off.
Check the mechanical drawing for the detailed position of this set screw.

Attaching guiding camera: Scops OAG has a CS thread attached to its shaft by default. If your guiding camera has an M42 thread you can screw the included M42 adapter on the CS thread. Secure the M42 guiding adapter by tightening the two set screws on its side.

Important Notes:

- Scops OAG has been set to zero motor position per factory calibration.
- Consult the mechanical drawing of the Scops OAG for your back focus distance calculation.


What is in the box:

- 1 x Scops Motorised Off-Axis Guider (OAG)
- 1 x M54 Male to 2" Nosepiece
- 1 x M54 Male to M48 Male Adapter
- 1 x M42 Male to CS thread Guiding Adapter
- 6 Pcs x M3x8 mm screws (alternatively to attach Scops OAG on the Falcon rotator)
- 1 x USB2 Type B cable (1.8m)

The device is covered by one (1) year warranty
Designed and Assembled in Greece

For any questions, feedback, and support please contact: support@pegasusastro.com

Documents / Resources

	<p>PEGASUS ASTRO Scops OAG Axis Guider [pdf] Installation Guide Scops OAG Axis Guider, Scops OAG, Axis Guider</p>
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References

- [Adapters – Pegasus Astro](#)