

Orion Autoguider Manual

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Product Support - Orion StarShoot AutoGuider

All software, manuals and guides can be downloaded directly from the Orion SAGPRO product support page located at the link below: www.telescope.com/sagpro The following software can be located on the right hand side of the product support page. 1. Download and run SAGPRO Driver. Go through the prompts until the driver is installed.

Orion StarShoot Autoguider PRO

All software, manuals and guides can be downloaded directly from the Orion SAG product support page located at the link below: www.telescope.com/sag The following software can be located on the right hand side of the product support page. MAC OSX users need only download PHD guiding for Mac OSX as the camera driver is built into that software.

Orion StarShoot AutoGuider

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The Orion Thin Off-Axis Guider (TOAG) is especially useful where space (back-focus) is critical, such as with Newtonian telescopes where back-focus is limited, and for Schmidt-Cassegrain telescopes, which can experience "mirror flop". Things You should Know Before using the Orion TOAG What a Thin Off-Axis Guider (TOAG) Is Used For:

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The StarShoot AutoGuider works well with Orion SteadyStar Adaptive Optics (AO) Guiders (sold separately) to provide guiding of the highest accuracy. With the Orion StarShoot AutoGuider, precision autoguiding for deep-sky photography is now easier and more economical than ever. Buy one today for your imaging setup!

Orion StarShoot AutoGuider - Orion Telescopes & Binoculars

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About Orion Telescopes & Binoculars. Since 1975 Orion Telescopes & Binoculars has been offering telescopes for sale direct to customers. Now an employee-owned company, we pride ourselves on an unswerving commitment to best quality products, value and unmatched customer care. Our 100% satisfaction guarantee says it all.

Product Support - Orion Magnificent Mini AutoGuider Package

Autoguiding has revolutionized the capture of deep-sky astro-images by mechanizing the tedious and tiring method of "manually" guiding an astrophotography exposure, which involved staring endlessly into an illuminated reticle telescope eyepiece while vigilantly tweaking your mount's electronic drive controls by hand to keep the stars pinpoint sharp.

Orion StarShoot Auto Guider - Autoguiding ...

With a total weight of just 1.3 lbs (20.4 oz.), the Orion Magnificent Mini AutoGuider package adds minimal mass to astrophotography setups, making it easy to add autoguiding accuracy to your images without adding the bulk of older and larger guide scopes.

Orion Magnificent Mini AutoGuider Package

The Orion StarShoot AutoGuider provides a user-friendly, dedicated autoguiding camera for long-exposure astrophotography. It's compatible with virtually any mount equipped with an autoguider port and comes with all the software and cables needed to work right out of the box!

Orion StarShoot AutoGuider | Orion Telescopes ...

With a total weight of just 1.3 lbs (20.4 oz.), the Orion Magnificent Mini AutoGuider package adds minimal mass to astrophotography setups, making it easy to add autoguiding accuracy to your images without adding the bulk of older and larger guide scopes.

Orion Magnificent Mini AutoGuider Package | Orion Telescopes

Orion StarShoot Autoguider. For this driver, please select SS Autoguider on the Setup tab.. Note: for all newer model Orion StarShoot Deep Space Imagers, use the Orion SSDSI driver (included in the Obsolete Driver pack). Note: for the original Orion StarShoot Deep Space Color Imager 1, use the Orion SSDSI-1 driver. Note: for Orion StarShoot Solar System Imagers, use the Video DirectShow driver.

Orion StarShoot Autoguider - Diffraction Limited

Oceana 71189-A Manual: Oceana 71189-B Manual: Off-Axis Guider Instruction Manual: Omni AZ Manual - 5 Languages: Omni XLT Manual: Onyx 80EDF Manual: Outland X Binoculars Manual (English, French, German, Spanish, Italian) Outland X Series Manual English: Outland X Series Manual French: Outland X Series Manual German: Outland X Series Manual Italian

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With a total weight of just 1.4 lbs (22.8 oz.), the Orion Magnificent Mini Deluxe AutoGuider Package adds minimal mass to astrophotography setups, making it easy to add autoguiding accuracy to your images without adding the bulk of older and larger guide scopes.

Orion Magnificent Mini Deluxe AutoGuider Package

Orion can guide you to better quality astrophotos with our CT80 80mm Refractor StarShoot AutoGuider Package. This affordable autoguiding solution can be added to virtually any astrophotography system to improve guiding accuracy so you get awesome astrophotos every time.

Orion CT80 80mm Refractor StarShoot AutoGuider Package

The Orion-designed Mini 50mm Guide Scope is a complete and compact guide scope solution designed for use with the Orion StarShoot AutoGuider (sold separately) or similar small-chip CCD autoguider devices. The Orion Mini 50mm Guide Scope is ideal for guiding long-exposure astrophotographs with imaging telescopes up to 1500mm in focal length.

Orion Mini 50mm Guide Scope | Orion Telescopes

Page 1 MAnuAl Orion ® Deluxe Off-Axis Guider #5521 Providing Exceptional Consumer Optical Products Since 1975 customer support (800) 676-1343 E-mail: support@telescope.com Oriontelescopes.com corporate Offices (831) 763-7000 89 Hangar Way, Watsonville, cA 95076 IN 351 Rev. B 08/09 ... Page 2: Parts List Figure 1a. ever many other autoguider cameras with a 1.25" nosepiece or female Pick-off ...

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The MGEN Autoguider offers the Random Displacement command. The Telescope is moved between exposures for just a few pixel, thus resulting in hotpixels to disappear and lower general noise when adding (stacking) multiple exposures. Using MGENs random displacement function increases overall image quality, it can even make dark frames obsolete!

The Astrophotography Manual, Second Edition is for photographers ready to move beyond standard SLR cameras and editing software to create beautiful images of nebulae, galaxies, clusters, and the stars. Beginning with a brief astronomy primer, this book takes readers through the full astrophotography process, from choosing and using equipment to image capture, calibration, and processing. This combination of technical background and hands-on approach brings the science down to earth, with practical methods to ensure success. This second edition now includes: Over 170 pages of new content

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within 22 new chapters, with 600 full-color illustrations. Covers a wide range of hardware, including mobile devices, remote control and new technologies. Further insights into leading software, including automation, Sequence Generator Pro and PixInsight Ground-breaking practical chapters on hardware and software as well as alternative astrophotography pursuits

Star charts, step-by-step projects, photos, and more: "The Total Skywatcher's Manual is a fun book, but more importantly, it's a useful book." —Sky & Telescope With fully illustrated star charts, gorgeous astrophotography, and step-by-step project instruction, this is the only guide you need to navigate the night (and day) sky. Learn about the phases of the moon, how to conduct your own deep-sky observations, how the universe is expanding, our search for life on other planets, meteors vs. meteorites, sunspots and solar flares, best eclipse-viewing techniques—everything you need to know to appreciate the wonder of our universe. The Total Skywatcher's Manual will help stargazers, comet-spotters, and planet-seekers: Choose the best telescope Identify constellations and objects in the night sky Search for extraterrestrial phenomena Plan star parties Capture beautiful space imagery and much more For well over a century, the Astronomical Society of the Pacific has provided resources, tools, and information to astronomy enthusiasts, including amateur astronomers, families, and science educators. Now they draw on their wide-ranging expertise to guide you through the skies.

This book is for anyone who owns, or is thinking of owning, a Vixen Star Book Ten telescope mount or its predecessor. A revolution in amateur astronomy has occurred in the past decade with the wide availability of high tech, computer-driven, Go-To telescopes. Vixen Optics is leading the way by offering the Star Book Ten system, with its unique star map graphics software. The Star Book Ten is the latest version of computer telescope control using star map graphics as a user interface, first introduced in the original Star Book first offered in 2003. The increasingly complicated nature of this software means that learning to optimize this program is not straightforward, and yet the resulting views when all features are correctly deployed can be phenomenal. After a short history of computerized Go-To telescopes for the consumer amateur astronomer market, Chen offers a treasury of technical information. His advice, tips, and solutions aid the user in getting the most out of the Star Book Ten system in observing sessions.

The book that taught thousands of people about astrophotography has been completely revised and updated in this second edition. It covers everything you need to know to capture stunning images of deep-sky objects with a DSLR or CCD camera: The fundamental concepts of imaging and their impact on the final image How to pick a telescope and camera How to get set up and take the images Where and when to find the best objects in the night sky How to process images using Adobe Photoshop(R) and PixInsight(R) Start-to-finish examples of image processing Full-color with over 300 illustrations.

Deep-sky observing is easily the most popular field for amateur astronomers. The big problem faced by non-professional observers is what to look at - what is visible at a particular time of year. The Deep-Sky Observers Year is a month-by-month guide to the best objects to view. Objects are given a "star rating" according to how difficult they are to observe or image

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with a particular size of telescope. The book includes many images produced by amateur astronomers, as well as photographs from NASA, ESA, and ESO. There is background information about the objects, along with lots of useful tips, hints, and resources.

The Orion Telescope Observer's Guide highlights over sixty interesting objects for budding amateur astronomers to find and observe in a small telescope. We'll help you explore objects such as star clusters, multiple stars, nebulae, and even the Andromeda Galaxy! Helpful maps of each target object are included, as are examples of what the object will look like in a typical finderscope, and depictions of the view you'll see in a telescope eyepiece. The author also includes a realistic description of every object based upon his own notes written over years of observations. Written with the beginner in mind, the Orion Telescope Observer's Guide also includes vital tips and tricks to help you get the most out of the rewarding hobby of amateur astronomy. If you're new to stargazing with a small telescope, this book is your introduction to the stars!

This book is based around the author's beautiful and sometimes awe-inspiring color images and mosaics of deep-sky objects. The book describes how similar "Hubble class" images can be created by amateur astronomers in their back garden using commercially available telescopes and CCD cameras. Subsequent processing and image enhancement in the "electronic darkroom" is covered in detail as well. A range of telescopes and equipment is considered, from the author's 11-inch with Hyperstar camera, down to more affordable instruments. Appendices provide links to free software – not available from a single source – and are themselves an invaluable resource.

A guide to viewing stars, the moon, planets, meteors, comets, and aurora through binoculars. Features a foreword by renowned astronomer and writer David Levy. Includes a complete guide to current binocular brands and models and explains what to look for in each season.

Welcome to the first comprehensive guide to one of the world's most popular telescopes: the ShortTube 80 refractor. With its ultra-portability, versatility, and relatively low cost, this telescope continues to delight generations of stargazers. Starting in the field under a dark sky, the author walks the reader through a typical evening of stargazing, where the ShortTube 80 brings many astronomical treasures into focus. From there, he provides an in-depth account of the optical properties of the ShortTube 80 refractor and the accessories and mounting arrangements that maximize its potential both as a spotting 'scope by day and an astronomical 'scope by night. The main text discusses how the versatile ShortTube 80 can be used to study deep sky objects, the Sun, the Moon, bright planets and even high-resolution projects, where the instrument's features can be optimized for the observation of tight double and multiple stars. It explores how the ShortTube 80 can image targets using camera phones, DSLRs and dedicated astronomical CCD imagers. Packed with practical advice gained from years of firsthand stargazing experience, this book demonstrates exactly why ShortTube 80 has remained a firm favorite among amateur astronomers for over three decades, and why it is likely to remain popular for many years to come.

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A definitive handbook to photographing the night sky using DSLR cameras, including projects for both beginners and more advanced enthusiasts.

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