

SSS50MP01

Generic ZWO Seestar S50 MASK PRO System Instruction Manual

Model: SSS50MP01

Brand: Generic

INTRODUCTION

The MASK PRO System is an accessory kit designed for the ZWO Seestar S50 Smart Telescope. This system provides tools for precise telescope focusing and for creating unique astrophotography effects. The compact design of the MASK PRO System offers a space-saving alternative to traditional mask sets.

The Starter Kit includes:

- 1x MASK PRO Mask Holder
- 1x Bahtinov Mask Slide
- 1x 4x Diffraction Spike Mask Slide
- 1x 6x Diffraction Spike Mask Slide
- 1x 8x Diffraction Spike Mask Slide

Note: The ZWO Seestar S50 Smart Telescope is not included with this kit.

WEST
COAST
ASTRO

SEESTAR EDITION

MASK PRO



INTRODUCING THE MASK PRO SYSTEM

ONE HOLDER,
MULTIPLE **SLIDES!**

8X DIFFRACTION
SLIDE



6X DIFFRACTION
SLIDE



4X DIFFRACTION
SLIDE



BHATINOV MASK
SLIDE



Image: The MASK PRO System Starter Kit showing the holder and four different mask slides.

WEST
COAST
ASTRO

SEESTAR EDITION

MASK PRO

THE MASK PRO SYSTEM IS COMPACT AND
EASY TO TRANSPORT.

THE HOLDER AND 4 SLIDES TAKE UP LESS THAN
50% OF THE SPACE OF A STANDARD SET
OF MASKS.

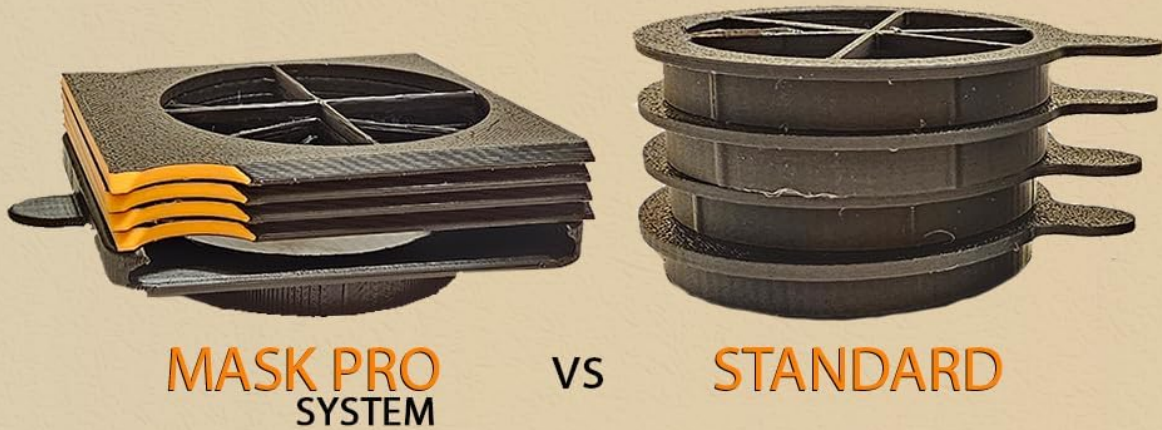


Image: Comparison illustrating the compact size of the MASK PRO System versus a traditional set of masks.

SETUP

1. **Unpack Components:** Carefully remove all components from the packaging. Inspect for any signs of damage.
2. **Install Mask Holder:** Gently slide the MASK PRO Mask Holder onto the front of your ZWO Seestar S50 telescope. Ensure it is seated securely.
3. **Check Fit:** The holder should fit snugly. If the fit is excessively tight, gentle sanding or filing of the holder's inner edges may be required for smoother installation. Exercise caution to avoid over-filing.

WEST
COAST
ASTRO

SEESTAR EDITION

MASK PRO

STARTER KIT

HOLDER



FRONT



BACK



SIDE



SIDE



Image: The MASK PRO Holder shown from front, back, and side views, and installed on a ZWO Seestar S50 telescope.

OPERATING INSTRUCTIONS

Once the Mask Holder is installed on your ZWO Seestar S50, you can easily interchange the mask slides.

Using the Bahtinov Mask Slide (Focusing)

The Bahtinov Mask is used for achieving precise focus on celestial objects.

1. **Target a Bright Star:** Align your ZWO Seestar S50 to a bright star in the night sky.
2. **Insert Bahtinov Mask:** Gently slide the Bahtinov Mask Slide into the MASK PRO Holder.
3. **Adjust Focus:** Observe the diffraction spikes produced by the mask. Adjust your telescope's focus until the central spike is perfectly centered between the two outer spikes, forming a symmetrical 'X' pattern. This indicates optimal focus.
4. **Remove Mask:** Once focused, gently slide the Bahtinov Mask out of the holder.

WEST
COAST
ASTRO

SEESTAR EDITION

MASK PRO

STARTER KIT

BAHTINOV MASK



FRONT



BACK

THE BHATINOV MASK SLIDE IS USED TO ACCURATELY FOCUS YOUR SEESTAR.

SIMPLY ALIGN YOUR SEESTAR TO A BRIGHT STAR, THEN SLIDE ON THE BHATINOV MASK SLIDE, ALIGN THE SPIKES BY ADJUSTING THE FOCUS, AND YOUR DONE.



Image: The Bahtinov Mask Slide, showing front and back, and its installation on the Seestar S50 for focusing.

Using Diffraction Spike Mask Slides (Effects)

The Diffraction Spike Masks (4x, 6x, 8x) are used to add aesthetic diffraction spike effects to bright stars in your images.

1. **Target a Bright Star:** Align your ZWO Seestar S50 to a bright star.
2. **Insert Diffraction Spike Mask:** Gently slide the desired Diffraction Spike Mask Slide (4x, 6x, or 8x) into the MASK PRO Holder.
3. **Observe Effect:** The mask will create distinct spike patterns around bright stars.
4. **Remove Mask:** When you no longer wish to use the effect, gently slide the mask out of the holder.

WEST
COAST
ASTRO

SEESTAR EDITION

MASK PRO

STARTER KIT

4X DIFFRACTION SPIKE



FRONT



BACK



BETELGEUSE

THE 4X DIFFRACTION SPIKE SLIDE IS USED TO ADD COOL EFFECTS TO STARS!

SIMPLY ALIGN YOUR SEESTAR TO A BRIGHT STAR, THEN SLIDE ON THE DIFFRACTION SLIDE, AND WOW!



Image: The 4x Diffraction Spike Mask Slide, showing front and back, and its installation on the Seestar S50.

WEST
COAST
ASTRO

SEESTAR EDITION

MASK PRO

STARTER KIT

6X DIFFRACTION SPIKE



FRONT



BACK



BETELGEUSE



THE 6X DIFFRACTION SPIKE
SLIDE IS USED TO ADD COOL
EFFECTS TO STARS!

SIMPLY ALIGN YOUR SEESTAR
TO A BRIGHT STAR, THEN SLIDE
ON THE DIFFRACTION SLIDE,
AND WOW!

Image: The 6x Diffraction Spike Mask Slide, showing front and back, and its installation on the Seestar S50.

WEST
COAST
ASTRO

SEESTAR EDITION

MASK PRO

STARTER KIT

8X DIFFRACTION SPIKE



FRONT



BACK



BETELGEUSE



THE 8X DIFFRACTION SPIKE SLIDE IS USED TO ADD COOL EFFECTS TO STARS!

SIMPLY ALIGN YOUR SEESTAR TO A BRIGHT STAR, THEN SLIDE ON THE DIFFRACTION SLIDE, AND WOW!

Image: The 8x Diffraction Spike Mask Slide, showing front and back, and its installation on the Seestar S50.

Important Safety Note

Always remove the MASK PRO Holder and any inserted slides from the ZWO Seestar S50 before powering down or stowing the telescope. Failure to do so may interfere with the telescope's internal closing mechanism and cause damage.

MAINTENANCE

- **Cleaning:** Keep all MASK PRO System components clean and free of dust and debris. Use a soft, dry, lint-free cloth for cleaning. Avoid using abrasive materials or harsh chemical cleaners, which can damage the surfaces.
- **Storage:** Store the masks and holder in a protective environment, such as their original packaging or a dedicated case, to prevent scratches, warping, or other damage when not in use.

TROUBLESHOOTING

Issue	Possible Cause / Solution
Mask Holder fits too snugly on Seestar S50	The holder is designed for a precise fit. If it is excessively tight, gentle sanding or filing of the holder's inner edges may be required to achieve a smoother installation. Proceed with caution to avoid over-filing.
Mask Slides are difficult to insert or remove	Similar to the holder, if individual mask slides are too snug, gentle sanding or filing of the slide edges may improve their fit within the holder.
Telescope jams during shutdown	Ensure the MASK PRO Holder and any inserted slides are removed from the Seestar S50 before initiating the telescope's shutdown sequence. Leaving the holder attached can obstruct the telescope's closing mechanism.

SPECIFICATIONS

- **Brand:** Generic
- **Model Name:** ZWO Seestar S50 - MASK PRO System
- **Model Number:** SSS50MP01
- **Compatible Devices:** ZWO Seestar S50
- **Additional Features:** Interchangeable Mask System, Custom 3D Printed, Precision Fit
- **Built-In Media:** Mask Pro System Holder and 4 Filter Slides
- **Manufacturer:** Jerry onDemand

WARRANTY INFORMATION

Warranty information for the Generic ZWO Seestar S50 MASK PRO System is not explicitly provided in the product details. For specific warranty terms and conditions, please contact the manufacturer (Jerry onDemand) or the seller (West Coast Astro) directly.

SUPPORT

For technical assistance, product inquiries, or support related to the MASK PRO System, please reach out to the manufacturer, Jerry onDemand, or the seller, West Coast Astro. Contact information can typically be found on their respective websites or through your purchase platform.