

Astromania ND96-0.3

Astromania ND96-0.3 1.25-inch Moon Filter Instruction Manual

Model: ND96-0.3

INTRODUCTION

The Astromania ND96-0.3 1.25-inch Moon Filter is a neutral density filter designed to enhance lunar and planetary observations. It allows 50% of visible light to pass through, effectively reducing the overwhelming brightness of the Moon, especially when viewed through large aperture telescopes. This reduction in glare improves contrast and allows for clearer observation of lunar craters and other surface details.

PRODUCT FEATURES

- **Neutral Density (ND96-0.3):** Allows 50% of visible light transmission.
- **Standard 1.25-inch Thread:** Compatible with most astronomy eyepieces and accessories featuring 1.25-inch filter threads.
- **Stackable Design:** Equipped with a standard 1.25-inch female filter thread on one side, allowing for stacking with other filters.
- **Enhanced Contrast:** Improves the contrast of the Moon and planets, making details more visible.
- **Glare Reduction:** Particularly beneficial for large aperture telescopes to mitigate excessive lunar brightness.

SETUP AND INSTALLATION

The Astromania ND96-0.3 Moon Filter is designed for easy installation onto compatible telescope eyepieces and accessories.

1. Identify the 1.25-inch filter threads on your telescope eyepiece, Barlow lens, or diagonal mirror. These threads are typically located at the bottom of the eyepiece barrel or the nosepiece of other accessories.
2. Gently screw the Astromania ND96-0.3 Moon Filter onto these threads. Ensure it is securely fastened but do not overtighten.
3. If you wish to stack additional filters, screw them onto the female threads of the ND96-0.3 filter.

The filter can be used with various 1.25-inch accessories:

Multiple Different Connections to Choose From

Any telescope accessories with 1.25" filter thread can be mounted with this 1.25" crystalview moon filter.



For Telescope Diagonal Mirror



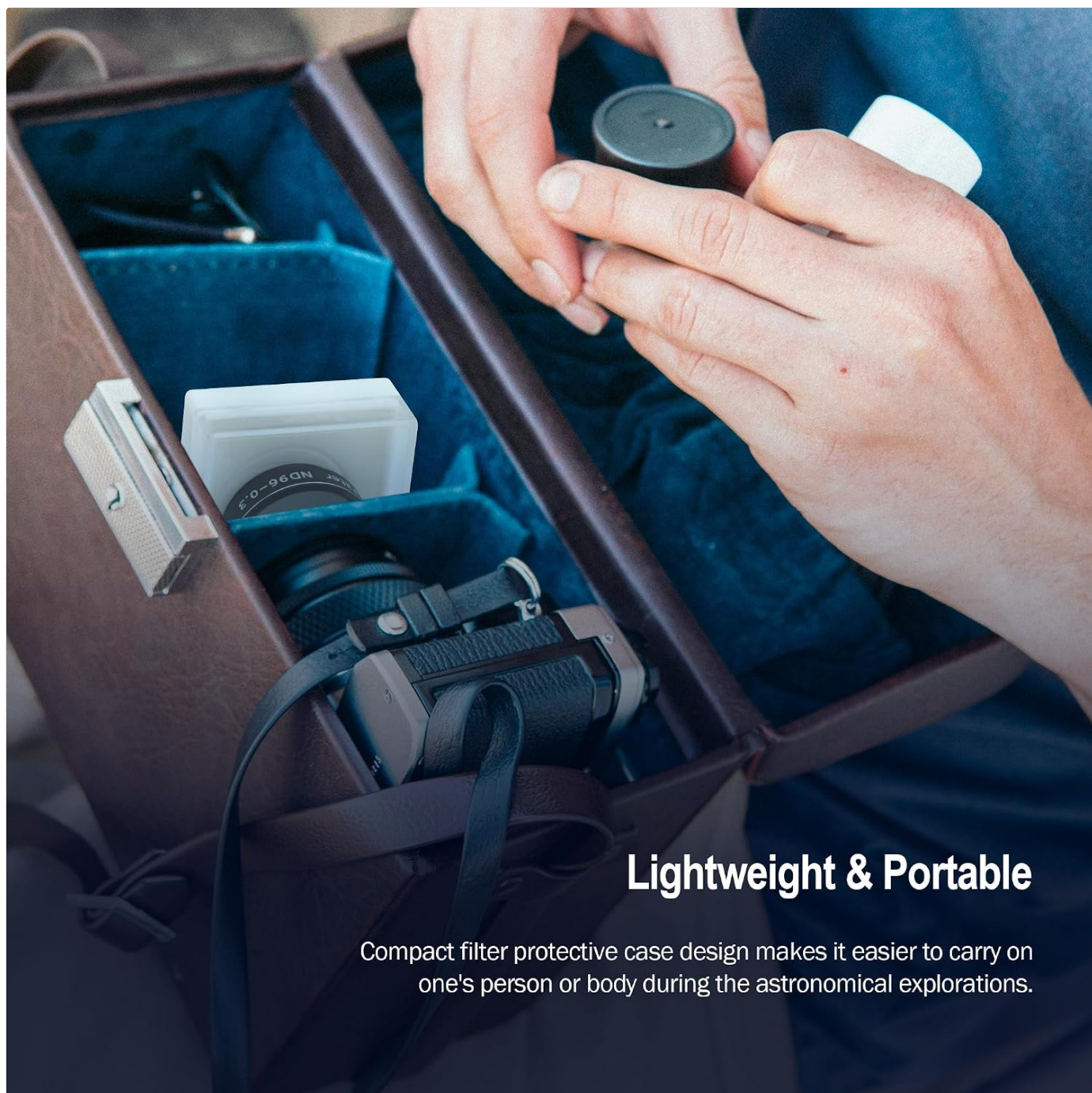
For Telescope Barlow Len



For Telescope Eyepiece



Image: The Astronomia ND96-0.3 Moon Filter can be connected to various 1.25-inch telescope accessories, including diagonal mirrors, Barlow lenses, and eyepieces.



Lightweight & Portable

Compact filter protective case design makes it easier to carry on one's person or body during the astronomical explorations.

Image: The filter features 1.25-inch male threads for attachment to an eyepiece and 1.25-inch female threads for stacking other filters.

Video: This video demonstrates the process of screwing the Astromania ND96-0.3 Moon Filter onto a telescope eyepiece for use.

OPERATING INSTRUCTIONS

Once installed, the Astromania ND96-0.3 Moon Filter operates passively to improve your viewing experience.

1. Attach the filter to your chosen eyepiece or accessory as described in the Setup section.
2. Insert the eyepiece/accessory with the filter into your telescope's focuser.
3. Focus your telescope as usual. You will immediately notice a reduction in the Moon's brightness, allowing for more comfortable and detailed observation.
4. The filter is particularly effective for observing the Moon and bright planets, enhancing contrast and revealing subtle features that might otherwise be obscured by glare.



Premium Filter Effect

This ND96 neutral density filter allows 50 percent of the visible light to pass through, enhancing the contrast of the moon and planets in photographic images.

Image: A visual comparison illustrating the effect of the ND96-0.3 filter, showing reduced glare and improved detail on the Moon's surface.

Different Effect Comparison



ND96-0.3 (Included)

50% Light Transmission

ND96-0.6 (Not Included)

25% Light Transmission

ND96-0.9 (Not Included)

13% Light Transmission

Image: This image compares the light transmission of different ND filters, with the ND96-0.3 allowing 50% light transmission.



Mutiple Applicatible Occassions

ND96 neutral density filter enhances the contrast of the moon and planets in photographic images, especially useful for large aperture telescopes through which the light of the Moon can be extremely overwhelming.



Image: The ND96-0.3 filter is suitable for various astronomical observations, particularly for reducing the brightness of the Moon.

MAINTENANCE

Proper care and maintenance will ensure the longevity and optimal performance of your Astromania ND96-0.3 Moon Filter.

- **Cleaning:** Use a soft, lint-free cloth specifically designed for optical surfaces. For stubborn smudges, a small amount of optical cleaning solution can be applied to the cloth, not directly to the filter.
- **Storage:** Store the filter in its protective case when not in use to prevent dust accumulation and accidental damage.
- **Handling:** Always handle the filter by its metal frame to avoid touching the optical surface.
- **Water Exposure:** The filter is not water-resistant. Avoid exposure to moisture or humid environments.



Image: The filter is designed to be water-repellent, helping to protect it from moisture.

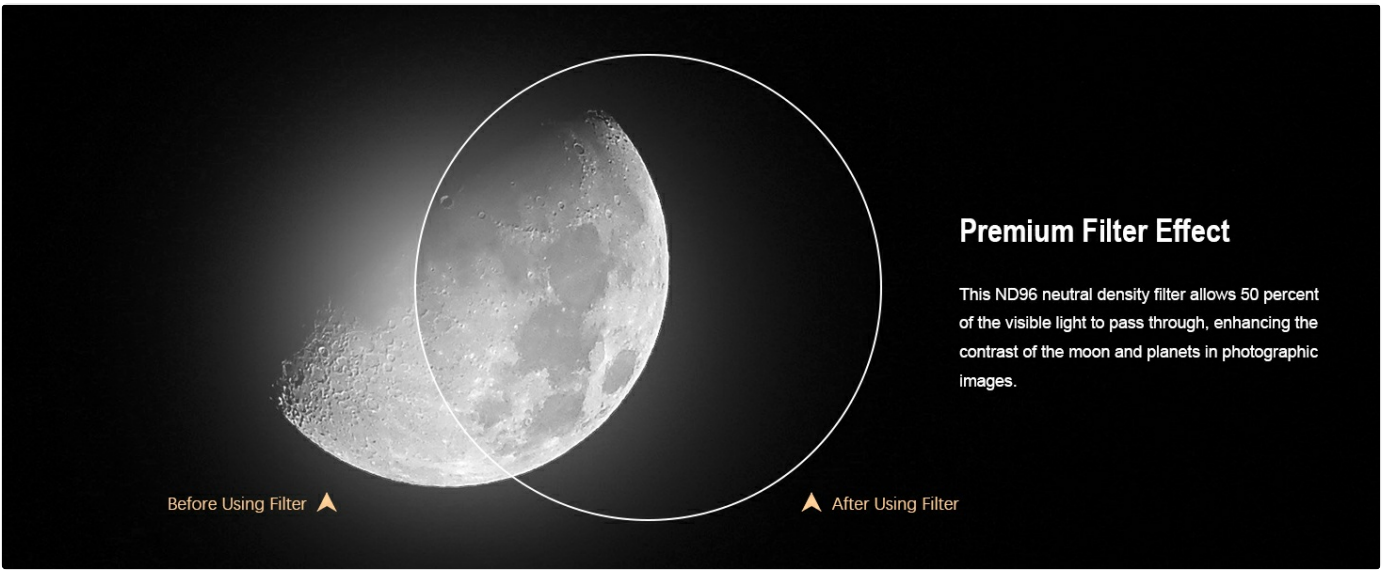


Image: The filter features a smooth frame design for better handling and to help prevent scratches.



Image: The filter comes with a protective case to shield it from dust and external conditions during storage and transport.

TROUBLESHOOTING

If you encounter issues with your Astromania ND96-0.3 Moon Filter, consider the following:

- **Image Still Too Bright:** Ensure the filter is correctly threaded onto your eyepiece or accessory. For extremely bright objects or very large aperture telescopes, you might consider stacking another neutral density filter (if compatible) or using a filter with lower light transmission (e.g., ND96-0.6 or ND96-0.9).
- **Unclear or Blurry Image:** Check if the filter is clean. Dust, smudges, or fingerprints on the optical surface can degrade image quality. Refer to the Maintenance section for cleaning instructions. Also, ensure your telescope is properly focused.
- **Filter Not Threading Correctly:** Verify that you are attempting to thread the filter onto a 1.25-inch accessory. Cross-threading can occur if not aligned properly; gently re-align and try again. Do not force the threads.

SPECIFICATIONS

Brand	Astromania
Model	ND96-0.3
Material	Optical Glass
Light Transmission	50%
Filter Type	Neutral Density
Thread Size	1.25 inches (3.2 cm / 31.75 mm)
Coating	No Coating
Product Dimensions (L x W)	1.25" x 1.25"
Item Weight	0.2 Ounces
Water Resistance Level	Not Water Resistant
Compatible Devices	Telescopes, Eyepieces

WARRANTY AND SUPPORT

For warranty information or technical support regarding your Astromania ND96-0.3 Moon Filter, please refer to the official Astromania website or contact their customer service directly. Keep your purchase receipt as proof of purchase for any warranty claims.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

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