

Sigma 401954

Sigma 24mm f/1.4 DG HSM Art Lens (Model 401954) Instruction Manual

For Canon EF Mount Cameras

INTRODUCTION

Thank you for choosing the Sigma 24mm f/1.4 DG HSM Art Lens. This high-performance wide-angle prime lens is designed to deliver exceptional optical quality, making it suitable for a wide range of photographic applications, including landscape, architecture, and astrophotography. This manual provides essential information for the proper use, care, and maintenance of your lens.

PRODUCT OVERVIEW

The Sigma 24mm f/1.4 DG HSM Art Lens is part of Sigma's Global Vision Art line, known for its sophisticated optical design and high-level performance. Key features include:

- **Large Aperture:** A bright f/1.4 maximum aperture excels in low-light conditions and provides extensive control over depth of field.
- **Advanced Optical Design:** Incorporates FLD and SLD glass elements to minimize chromatic aberrations and distortions, ensuring high sharpness and clarity.
- **Hyper Sonic Motor (HSM):** Provides fast, quiet, and accurate autofocus performance.
- **Super Multi-Layer Coating:** Reduces flare and ghosting for improved contrast and color fidelity.
- **Minimum Focus Distance:** Capable of focusing as close as 7.1 inches (18 cm) for dynamic close-up shots.



Figure 1: Front view of the Sigma 24mm f/1.4 DG HSM Art Lens with its included lens hood.

SETUP

Attaching the Lens to Your Camera

1. Ensure both the camera and lens are clean and free of dust.
2. Align the mounting index (red dot or white square) on the lens barrel with the corresponding index on your Canon EF mount camera body.
3. Rotate the lens clockwise until it clicks securely into place. Do not force the lens.

Detaching the Lens

1. While holding down the lens release button on your camera body, rotate the lens counter-clockwise until it stops.
2. Carefully remove the lens from the camera body.

3. Attach the front and rear lens caps to protect the glass elements.



Figure 2: Side view of the lens, highlighting the AF/MF focus mode switch.

OPERATING THE LENS

Focus Mode Switch (AF/MF)

The lens features an AF/MF switch on its barrel. This switch allows you to select between autofocus (AF) and manual focus (MF) modes.

- **AF (Autofocus):** For automatic focusing. The Hyper Sonic Motor (HSM) provides fast and quiet operation.
- **MF (Manual Focus):** For manual focusing. Rotate the focus ring to adjust focus. This mode is often preferred for precise focusing in specialized applications like astrophotography.

Aperture Control

The aperture (f/1.4 to f/16) is controlled via your camera body. A wider aperture (smaller f-number) allows more light into the lens, ideal for low-light photography and creating shallow depth of field with pleasing background blur (bokeh). A narrower aperture (larger f-number) increases depth of field, suitable for landscapes.

Astrophotography Considerations

This lens is highly regarded for astrophotography due to its wide 24mm focal length and fast f/1.4 aperture. When shooting stars or the Milky Way:

- Set the lens to **MF (Manual Focus)**.
- Focus to infinity. It is recommended to use your camera's Live View mode and zoom in on a bright star to achieve precise focus.
- Consider using a star tracker for longer exposures to prevent star trails.



Figure 3: Top view of the lens, showing the focus distance scale in feet and meters.

MAINTENANCE

Cleaning the Lens

- Use a soft, lint-free cloth or a lens brush to remove dust from the lens surface.
- For stubborn smudges, apply a small amount of lens cleaning solution to a microfiber cloth and gently wipe the lens in a circular motion.
- Never use abrasive materials or harsh chemicals.

Storage

- Always attach the front and rear lens caps when the lens is not in use.
- Store the lens in a cool, dry place, away from direct sunlight and extreme temperatures.

- If storing for extended periods, consider using a dehumidifying agent to prevent mold growth.

TROUBLESHOOTING

Autofocus Issues

If you experience inconsistent or inaccurate autofocus, consider the following:

- **Firmware Update:** Sigma periodically releases firmware updates to improve lens performance. It is highly recommended to keep your lens firmware up to date. This often requires the Sigma USB Dock (sold separately) and Sigma Optimization Pro software.
- **Focus Calibration:** Some camera bodies allow for in-camera micro-adjustment of autofocus. If you have a Sigma USB Dock, you can perform more precise calibration for different focus distances.
- **Lighting Conditions:** Autofocus performance can be affected by very low light or subjects with low contrast. Switch to manual focus if necessary.

Image Quality Concerns

If images appear soft or lack expected sharpness:

- **Check Focus:** Ensure your subject is in sharp focus. In manual focus, verify using Live View magnification.
- **Aperture:** While the lens performs well wide open, stopping down by one or two stops (e.g., from f/1.4 to f/2.0 or f/2.8) can sometimes improve corner sharpness.
- **Camera Shake:** Use a tripod or faster shutter speed to avoid blur from camera movement.

SPECIFICATIONS

Model Number	401954
Focal Length	24mm
Maximum Aperture	f/1.4
Minimum Aperture	f/16
Lens Type	Wide Angle Prime
Compatible Mountings	Canon EF
Minimum Focus Distance	7.1 inches (18 cm)
Filter Size	77mm
Dimensions (Diameter x Length)	3.35 x 3.55 x 3.35 inches (approx.)
Item Weight	1 pound (approx.)
Manufacturer	Sigma Corporation of America





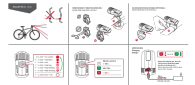

WARRANTY AND SUPPORT

This Sigma lens is covered by a manufacturer's warranty. For specific warranty terms, registration, and support, please refer to the official Sigma website or contact Sigma customer service directly. Keep your proof of purchase

for warranty claims.

For technical assistance, firmware updates, or service, please visit the [Sigma Global Vision website](#) or consult your local authorized Sigma dealer.

Related Documents - 401954

	<p>Sigma APO 50-150mm F2.8 EX DC OS HSM Lens Instruction Manual</p> <p>This manual provides detailed instructions for the Sigma APO 50-150mm F2.8 EX DC OS HSM lens, covering safety precautions, lens parts, operation (focusing, zooming, OS stabilization), compatibility with camera bodies and accessories like teleconverters and filters, basic care, and technical specifications.</p>
	<p>Sigma 100-400mm F5-6.3 DG OS HSM Lens Instruction Manual</p> <p>Detailed instructions for using the Sigma 100-400mm F5-6.3 DG OS HSM lens, covering its features, operation, care, and technical specifications. Includes information on Optical Stabilizer (OS), Custom Modes, Tele Converters, and more.</p>
	<p>Univerzální Návod k Objektivům SIGMA: Funkce, Nastavení a Příslušenství</p> <p>Podrobný průvodce používáním objektivů SIGMA, včetně informací o ostření, stabilizaci obrazu (OS), nastavení expozice, kompatibilitě s telekonvertory a speciálním příslušenstvím.</p>
	<p>Sigma 35mm f1.4 DG HSM Lens - User Manual and Specifications</p> <p>Comprehensive user manual and technical specifications for the Sigma 35mm f1.4 DG HSM camera lens, covering safety precautions, parts description, focusing, lens hood, filters, care, storage, and technical details.</p>
	<p>Sigma Buster 100 Bicycle Headlight: Operation, Features, and Accessories</p> <p>Comprehensive guide to the Sigma Buster 100 bicycle headlight, covering operation modes, battery status, charging, mounting options, and available accessories. Includes technical specifications and manufacturer details.</p>
	<p>Introduction to Bird Photography: Settings and Techniques</p> <p>A comprehensive guide to bird photography, covering essential camera settings, lens choices, and techniques for capturing stunning images of birds in various situations, including stationary and in-flight shots.</p>