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› [Sigma 17-50mm f/2.8 EX DC OS HSM FLD Large Aperture Standard Zoom Lens for Canon Digital DSLR Camera User Manual](#)

Sigma 583101

Sigma 17-50mm f/2.8 EX DC OS HSM FLD Large Aperture Standard Zoom Lens User Manual

Brand: Sigma | Model: 583101

1. INTRODUCTION

This manual provides detailed instructions for the proper use, maintenance, and troubleshooting of your Sigma 17-50mm f/2.8 EX DC OS HSM FLD Large Aperture Standard Zoom Lens. Designed for Canon Digital DSLR Cameras with APS-C sensors, this versatile lens offers exceptional image quality and performance across its zoom range.

Key Features

- FLD Glass Elements:** Along with two glass mold elements and one hybrid aspherical lens, these provide excellent correction of aberrations for incredibly sharp images with great contrast.
- Constant f/2.8 Aperture:** Maintains a bright f/2.8 aperture throughout the entire 17-50mm zoom range, ideal for low-light photography and achieving shallow depth of field.
- Optical Stabilizer (OS):** Minimizes camera shake, allowing for sharper handheld shots in various conditions.
- Hyper Sonic Motor (HSM):** Ensures quiet, high-speed autofocus.
- Compact and Lightweight Design:** Easy to handle and transport, making it a convenient everyday lens.

2. SETUP

Mounting the Lens

To attach the lens to your camera body, align the red dot on the lens barrel with the red dot on your camera's lens mount. Rotate the lens clockwise until it clicks into place. Ensure the lens is securely fastened before use.



Figure 2.1: Front view of the Sigma 17-50mm lens with its lens hood.



Figure 2.2: Rear view of the Sigma 17-50mm lens, highlighting the Canon EF-S mount for attachment to compatible DSLR cameras.

3. OPERATING THE LENS

Basic Operation

The Sigma 17-50mm lens is designed for intuitive use. Familiarize yourself with the zoom ring, focus ring, and control switches on the lens barrel.

Aperture Control

This lens features a constant maximum aperture of f/2.8 across its entire zoom range. This means you can maintain a wide aperture for consistent low-light performance and shallow depth of field, regardless of your chosen focal length.

Zoom Function

To adjust the focal length, rotate the zoom ring located on the lens barrel. The lens offers a versatile range from 17mm (wide-angle) to 50mm (standard/short telephoto), suitable for various photographic situations from landscapes to portraits.



Figure 3.1: The Sigma 17-50mm lens with its zoom and focus rings clearly visible, allowing for precise control over focal length and sharpness.

Focus Modes (AF/MF)

The lens features an AF/MF switch to toggle between autofocus and manual focus. For precise control, especially in challenging lighting or for creative effects, switch to manual focus (MF) and rotate the focus ring. For quick and convenient focusing, use autofocus (AF).



Figure 3.2: A close-up view of the lens barrel, highlighting the AF/MF (Autofocus/Manual Focus) switch and the Optical Stabilizer (OS) switch for easy mode selection.

Optical Stabilizer (OS)

The built-in Optical Stabilizer (OS) system helps to reduce blur caused by camera shake, particularly useful when shooting handheld in low light or at slower shutter speeds. Use the OS switch to turn this feature On or Off as needed. Note that stabilization may not be available on all camera mounts (e.g., Pentax or Sony mounts, as mentioned in some reviews).

Video 3.1: Official product video showcasing the features and capabilities of the Sigma 17-50mm f/2.8 EX DC OS HSM FLD Large Aperture Standard Zoom Lens.

4. MAINTENANCE

Cleaning the Lens

- Use a soft, lint-free microfiber cloth to gently wipe dust and smudges from the lens elements.
- For stubborn dirt, use a specialized lens cleaning solution applied to the cloth, not directly to the lens.

- Avoid touching the glass elements with your fingers.

Storage

- Always attach the front and rear lens caps when not in use to protect the glass elements.
- 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.

5. TROUBLESHOOTING

Problem	Possible Cause	Solution
Lens not focusing	AF/MF switch set to MF; insufficient light; dirty contacts.	Switch to AF; use external lighting; clean lens and camera contacts.
Images are blurry	Optical Stabilizer (OS) off; camera shake; incorrect focus.	Turn OS on; use a faster shutter speed or tripod; re-focus.
Zoom ring is stiff	New lens; environmental factors.	Normal for new lenses, will loosen with use; avoid extreme temperatures.
Vignetting on full-frame camera	Lens designed for APS-C sensors.	This is expected behavior; use a camera with an APS-C sensor or crop images.

6. SPECIFICATIONS

Feature	Detail
Product Dimensions	3.6 x 3.3 x 3.3 inches
Item Weight	1.25 pounds
ASIN	B003A6H27K
Item model number	583101
Brand	Sigma
Focal Length Description	17-50 millimeters
Lens Type	Standard
Compatible Mountings	Canon EF-S

Feature	Detail
Camera Lens Description	zoom lens

7. WARRANTY AND SUPPORT

Legal Disclaimer

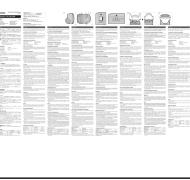
Please contact Manufacturer for information.

Customer Support

For further assistance, technical support, or warranty claims, please refer to the official Sigma website or contact their customer service department. Contact details are typically found on the product packaging or the manufacturer's official support pages.

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Related Documents - 583101

	<p><u>Sigma APO 50-150mm F2.8 EX DC OS HSM Lens Instruction Manual</u></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><u>Sigma 100-400mm F5-6.3 DG OS HSM Lens Instruction Manual</u></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><u>Introduction to Bird Photography: Settings and Techniques</u></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>
	<p><u>Sigma 35mm f1.4 DG HSM Lens - User Manual and Specifications</u></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>

