

Sigma 794101

Sigma 28-200mm f/3.5-5.6 DG IF Macro Aspherical Lens Instruction Manual

Model: 794101

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1. INTRODUCTION

This manual provides instructions for the proper use and care of your Sigma 28-200mm f/3.5-5.6 DG IF Macro Aspherical Lens. This compact, high-zoom ratio lens is designed for full-frame digital SLR cameras, covering a versatile focal length range from 28mm wide-angle to 200mm telephoto. It incorporates advanced optical technology to deliver high-quality images across various photographic situations.

2. PRODUCT OVERVIEW

The Sigma 28-200mm f/3.5-5.6 DG IF Macro Aspherical Lens features a sophisticated optical design to minimize aberrations and enhance image clarity. Key features include:

- **DG Lens Design:** Optimized for digital SLR cameras, reducing flare and ghosting.
- **IF (Internal Focusing):** Maintains constant lens length during focusing.
- **Macro Capability:** Achieves a maximum magnification of 1:3.8 at the 200mm telephoto setting.
- **Aspherical Lens Elements:** Corrects various aberrations throughout the zoom range.
- **Multi-layer Coating:** Ensures accurate color balance and high definition results.
- **Zoom Lock Switch:** Prevents unintended lens extension (zoom creep) during transport.



Figure 2.1: Sigma 28-200mm f/3.5-5.6 DG IF Macro Aspherical Lens. This image shows the Sigma 28-200mm f/3.5-5.6 DG IF Macro Aspherical Lens. The lens is black with white markings for focal length and aperture. It features a zoom ring and a focus ring, and the Sigma logo is visible on the barrel. The front element is visible, and the overall design is compact.

3. SETUP

3.1 Attaching the Lens to Your Camera

1. Ensure your camera is turned off.
2. Remove the rear lens cap from the lens and the body cap from your camera.
3. Align the mounting index mark on the lens barrel with the corresponding index mark on your camera's lens mount.
4. Insert the lens into the camera mount and rotate it clockwise (for Canon EF mount) until it clicks into place. Do not force the lens.
5. To remove the lens, press the lens release button on your camera body and rotate the lens counter-clockwise until it detaches.

3.2 Attaching the Lens Hood

The included detachable lens hood helps to block extraneous light, reducing flare and ghosting. Align the hood with the front of the lens and rotate it until it locks securely. For storage, the hood can be reversed and mounted onto the lens.

4. OPERATING THE LENS

4.1 Focusing

- **Autofocus (AF):** Set your camera's focus mode to AF. The lens will automatically focus when the shutter button is half-pressed.
- **Manual Focus (MF):** Set your camera's focus mode to MF. Rotate the focus ring on the lens barrel to adjust focus manually.

4.2 Zooming

Rotate the zoom ring on the lens barrel to change the focal length. The lens covers a range from 28mm (wide-angle) to 200mm (telephoto).

4.3 Using the Zoom Lock Switch

The zoom lock switch is located on the lens barrel. When the lens is set to 28mm, slide the switch to the 'LOCK' position to prevent the lens from extending due to its own weight, especially when carrying the camera.

4.4 Macro Photography

This lens offers macro capabilities, allowing for close-up photography with a maximum magnification of 1:3.8 at the 200mm focal length. To achieve macro shots, zoom to 200mm and focus on your subject at the closest possible distance.

5. MAINTENANCE AND CARE

5.1 Cleaning the Lens

- Use a blower brush to remove dust from the lens surfaces.
- For smudges or fingerprints, use a clean, soft microfiber cloth specifically designed for optical lenses, along with a small amount of lens cleaning solution. Apply the solution to the cloth, not directly to the lens.
- Avoid touching the lens elements with your fingers.

5.2 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 an extended period, consider using a dehumidifying cabinet or silica gel packets to prevent mold growth.

5.3 Handling Precautions

- Avoid exposing the lens to sudden temperature changes, which can cause condensation.
- Do not drop or subject the lens to strong impacts.
- Keep the lens away from water and moisture.

6. TROUBLESHOOTING

If you encounter issues with your lens, please refer to the following common solutions:

- **Lens not focusing:** Ensure the camera's focus mode is set correctly (AF/MF). Check if the lens is securely mounted. Clean the electrical contacts on both the lens and camera body.
- **Images are blurry:** Verify that the lens is clean. Check your camera's shutter speed and aperture settings. Ensure the lens is properly focused.
- **Zoom ring is stiff or loose:** The zoom lock switch should only be used at 28mm. If the zoom ring feels unusual, avoid forcing it and contact customer support.
- **Lens not recognized by camera:** Turn off the camera, remove and reattach the lens, then restart the camera. Ensure camera firmware is up to date.

For persistent issues, consult your camera's instruction manual or contact Sigma customer support.

7. SPECIFICATIONS

Feature	Description
Model Number	794101
Focal Length	28-200mm

Feature	Description
Maximum Aperture	f/3.5-5.6
Lens Type	DG IF Macro Aspherical
Compatible Mountings	Canon EF
Lens Construction	16 elements in 14 groups
Maximum Magnification	1:3.8 (at 200mm)
Product Dimensions	9 x 9 x 9 inches
Item Weight	14.1 ounces
ASIN	B000AYSGHK

8. WARRANTY AND SUPPORT

For detailed warranty information, please refer to the warranty card included with your product or visit the official Sigma website. Warranty terms and conditions may vary by region.

For technical support, service, or inquiries, please contact Sigma customer service through their official website or the contact information provided in your product packaging.