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Sigma 709-205

Sigma 28-135mm f/3.8-5.6 Aspherical IF Macro Lens Instruction Manual

Model: 709-205 for Konica Minolta SLR Cameras

1. INTRODUCTION

Thank you for purchasing the Sigma 28-135mm f/3.8-5.6 Aspherical IF Macro Lens. This versatile zoom lens is designed for Konica Minolta SLR cameras, offering a broad focal range from wide-angle to telephoto, along with macro capabilities. Its Aspherical and Internal Focusing (IF) design contributes to high optical performance and convenient operation. This manual provides essential information for the proper use, care, and maintenance of your lens.

2. SETUP

2.1 Attaching the Lens

1. Ensure both the camera and lens are powered off.
2. Remove the rear lens cap from the lens and the body cap from the camera.
3. Align the mounting index (red dot) on the lens barrel with the mounting index on the camera body.
4. Insert the lens into the camera's lens mount and turn it clockwise until it clicks into place. Do not force the lens.



Figure 2.1: Rear view of the Sigma 28-135mm lens, illustrating the lens mount and the red alignment dot for proper attachment to the camera body.

2.2 Removing the Lens

1. Ensure the camera is powered off.
2. While pressing the lens release button on the camera body, turn the lens counter-clockwise until it stops.
3. Carefully remove the lens from the camera body.
4. Attach the rear lens cap to the lens and the body cap to the camera to protect them from dust and damage.

2.3 Attaching the Lens Hood

A lens hood (if supplied) helps to block extraneous light, reducing flare and ghosting. Align the lens hood with the front of the lens and turn it clockwise until it locks into position. To remove, turn it counter-clockwise.



Figure 2.2: The Sigma 28-135mm lens with its dedicated lens hood attached, demonstrating how the hood extends from the front element to minimize stray light.

3. OPERATING THE LENS

3.1 Zooming

To change the focal length, rotate the zoom ring on the lens barrel. The focal length markings (28mm, 35mm, 50mm, 70mm, 100mm, 135mm) are indicated on the ring. Rotate towards 28mm for a wider angle of view and towards 135mm for a telephoto perspective.



Figure 3.1: This image displays the Sigma 28-135mm lens, highlighting the textured zoom ring and the adjacent focus ring, which are used to adjust the focal length and focus respectively.

3.2 Focusing

This lens features both autofocus (AF) and manual focus (MF) capabilities. The Internal Focusing (IF) system ensures that the front of the lens does not rotate during focusing, which is beneficial when using polarizing filters.

- **Autofocus (AF):** Set the AF/MF switch on the lens (if present) or camera body to 'AF'. The camera will automatically focus when the shutter button is half-pressed.
- **Manual Focus (MF):** Set the AF/MF switch to 'MF'. Rotate the focus ring on the lens barrel until the subject appears sharp in the viewfinder.

3.3 Macro Function

The lens offers a macro function for close-up photography. To engage the macro mode, typically you would zoom to the telephoto end (135mm) and then activate the macro switch or ring if available on the lens. Refer to your camera's manual for specific settings related to macro photography.



Figure 3.2: A direct front view of the Sigma 28-135mm lens, prominently displaying the 'MACRO' label, indicating its close-focusing capabilities.

3.4 Aperture Control

The aperture (f/3.8-5.6) is controlled electronically by the camera body. Select your desired aperture setting through your camera's controls. The lens will communicate with the camera to set the appropriate aperture value.

4. MAINTENANCE

4.1 Cleaning the Lens

- **Lens Elements:** Use a lens blower brush to remove dust. For smudges or fingerprints, use a clean, soft lens cloth and a small amount of lens cleaning fluid. Apply fluid to the cloth, not directly to the lens. Wipe gently in a circular motion from the center outwards.
- **Lens Body:** Wipe the lens body with a soft, dry cloth. Do not use organic solvents like paint thinner or benzene.

4.2 Storage

- Store the lens with front and rear caps attached in a cool, dry place away from direct sunlight and extreme temperatures.
- Avoid storing the lens in areas with high humidity to prevent mold growth. If storing for extended periods, consider using a desiccant.

4.3 Handling Precautions

- Avoid dropping or subjecting the lens to strong impacts.
- Do not leave the lens in direct sunlight for prolonged periods, as this can damage internal components.
- Keep the lens away from strong magnetic fields.

5. TROUBLESHOOTING

Problem	Possible Cause	Solution
Lens not attaching to camera	Incorrect alignment; obstruction	Ensure red dots are aligned; check for debris in mount.
Autofocus not working	AF/MF switch set to MF; insufficient light; dirty contacts	Set switch to AF; use flash or brighter conditions; clean lens and camera contacts.
Images are blurry	Incorrect focus; camera shake; dirty lens element	Check focus mode and focus point; use a faster shutter speed or tripod; clean lens.
Zoom ring is stiff	Dust or debris; lack of lubrication	Clean exterior; if problem persists, professional service may be required.

If you encounter issues not listed here or if the suggested solutions do not resolve the problem, please contact Sigma customer support or a qualified service technician.

6. SPECIFICATIONS

Feature	Description
Model Number	709-205
Focal Length	28-135mm
Maximum Aperture	f/3.8-5.6
Lens Type	Zoom, Macro
Mount Type	Konica Minolta SLR
Optical Design	Aspherical, Internal Focusing (IF)
Filter Size	62mm
Minimum Focus Distance	Not specified (typical for macro lenses, often around 0.5m or less)
Dimensions (Package)	6 x 4.5 x 4.5 inches
Item Weight	14.5 ounces

Feature	Description
Manufacturer	Sigma Corporation of America

7. WARRANTY INFORMATION

Warranty terms and conditions for the Sigma 28-135mm f/3.8-5.6 Aspherical IF Macro Lens are typically provided at the time of purchase or can be found on the official Sigma Corporation of America website. Please retain your proof of purchase for warranty claims. The warranty generally covers manufacturing defects for a specified period from the date of purchase. It does not cover damage caused by misuse, accidents, unauthorized repairs, or normal wear and tear.

8. CUSTOMER SUPPORT

For technical assistance, service, or inquiries regarding your Sigma 28-135mm f/3.8-5.6 Aspherical IF Macro Lens, please contact Sigma Corporation of America directly. Contact information, including phone numbers and website details, can usually be found on their official website or in the documentation included with your product.