

Pentax SMC 28-90mm f3.5-5.6 FA Silver Zoom Lens Instruction Manual

Model: 27697

1. INTRODUCTION

Welcome to your new Pentax SMC 28-90mm f3.5-5.6 FA Silver Zoom Lens. This manual provides essential information for the proper use, care, and maintenance of your lens. Please read this manual thoroughly before using your lens to ensure optimal performance and longevity.

2. PRODUCT OVERVIEW

The Pentax SMC 28-90mm f3.5-5.6 FA Silver Zoom Lens is a versatile lens designed for Pentax cameras, offering a flexible zoom range suitable for various photographic situations, from wide-angle landscapes to medium telephoto portraits.



This image displays the Pentax SMC 28-90mm f3.5-5.6 FA Silver Zoom Lens. It features a silver barrel with black rubberized zoom and focus rings, and aperture markings visible on the front.

3. SETUP

3.1 Attaching the Lens

1. Ensure your camera is powered off to prevent damage to the sensor or lens contacts.
2. Remove the rear lens cap from the lens and the body cap from your camera.
3. Align the red or white index mark on the lens barrel with the corresponding mark on your camera's lens mount.

4. Gently insert the lens into the camera mount.
5. Rotate the lens clockwise until it clicks into place, indicating it is securely locked. Do not force the lens.

3.2 Detaching the Lens

1. Ensure your camera is powered off.
2. Press and hold the lens release button located on your camera body.
3. While holding the button, rotate the lens counter-clockwise until it detaches from the mount.
4. Immediately attach the rear lens cap to protect the lens elements and the camera body cap to protect the sensor.

4. OPERATING THE LENS

4.1 Zooming

To adjust the focal length, rotate the zoom ring (the wider, ribbed ring) on the lens barrel. Rotate towards the camera body for a wider angle (28mm) and away from the camera body for a telephoto view (90mm). The focal length markings are indicated on the lens barrel.

4.2 Focusing

This lens supports both autofocus (AF) and manual focus (MF).

- **Autofocus:** Set your camera to AF mode. The lens will automatically adjust focus when the shutter button is half-pressed. Ensure the AF/MF switch on your camera (if present) is set to AF.
- **Manual Focus:** Set your camera to MF mode. Rotate the focus ring (the narrower ring closer to the front of the lens) until your subject appears sharp in the viewfinder or on the LCD screen.

4.3 Aperture Control

The aperture (f-number) controls the amount of light entering the lens and the depth of field. This lens has a variable maximum aperture of f/3.5 at 28mm and f/5.6 at 90mm, and a minimum aperture of f/22-32 depending on the focal length. Aperture is typically controlled via the camera body's settings.

5. MAINTENANCE AND CARE

5.1 Cleaning the Lens

- **Lens Elements:** Use a soft lens brush or a blower to remove loose dust particles. For smudges or fingerprints, use a clean microfiber lens cloth and a small amount of lens cleaning solution specifically designed for optical surfaces. Apply the solution to the cloth, not directly to the lens element. Wipe gently in a circular motion from the center outwards.
- **Lens Barrel:** Wipe the exterior of the lens with a soft, dry cloth. Avoid using harsh chemicals, solvents, or abrasive materials, as these can damage the lens finish.

5.2 Storage

When not in use, always store the lens with both front and rear caps securely attached. Keep the lens in a dry, dust-free environment, away from direct sunlight, extreme temperatures, and high humidity. Consider using a lens pouch or case for added protection during transport.

6. TROUBLESHOOTING

- **Lens not attaching securely:** Ensure the index marks on the lens and camera body are perfectly aligned. Rotate the lens until a distinct click is heard. Check for any foreign objects or debris on the lens mount or camera mount that might obstruct proper attachment.
- **Autofocus not working:** Verify that your camera is set to autofocus (AF) mode. Ensure the lens is properly attached and the camera's battery has sufficient charge. Autofocus may struggle in very low light conditions or with subjects lacking sufficient contrast. Try switching to manual focus if AF fails.
- **Dust or spots visible in images:** Clean the front and rear lens elements as described in the Maintenance section. If spots persist, the dust may be on your camera's image sensor, which typically requires a sensor cleaning procedure, often best performed by a professional service center.

For further assistance, consult your camera's instruction manual or contact Pentax customer support.

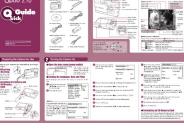
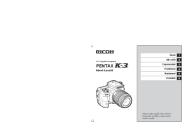
7. SPECIFICATIONS

Feature	Detail
Model Number	27697
Focal Length	28-90mm
Maximum Aperture	f/3.5-5.6
Minimum Aperture	f/22-32
Lens Type	Zoom Lens
Mount Type	SMC Mount
Item Weight	7 ounces (approximately 198 grams)
Package Dimensions	4.8 x 3.78 x 3.7 inches
Manufacturer	Pentax

Note: Specifications are subject to change without notice.

8. WARRANTY AND SUPPORT

For information regarding warranty coverage, service, and technical support for your Pentax SMC 28-90mm f3.5-5.6 FA Silver Zoom Lens, please refer to the warranty card included with your product or visit the official Pentax website. Keep your proof of purchase for any warranty claims. Contact details for customer support can typically be found on the manufacturer's website.

	<p>HD PENTAX-D FA MACRO 100mmF2.8ED AW Lens Operating Manual Ricoh Imaging</p> <p>Official operating manual for the HD PENTAX-D FA MACRO 100mmF2.8ED AW interchangeable lens. Learn about safe usage, specifications, features, focusing, and maintenance.</p>
	<p>Pentax Optio Z10 Quick Start Guide</p> <p>Quick start guide for the Pentax Optio Z10 digital camera, covering setup, basic operation, shooting modes, and image playback.</p>
	<p>Asahi Pentax MX Instruction Manual: Features, Operation, and Maintenance</p> <p>Comprehensive guide to the Asahi Pentax MX 35mm SLR camera, covering nomenclature, specifications, operating instructions, film loading, exposure, maintenance, and warranty policy.</p>
	<p>PENTAX Optio WPi PC Connection Manual: Software Installation and Image Transfer Guide</p> <p>Comprehensive guide for installing PENTAX Optio WPi camera software (ACDSee for PENTAX) and transferring images to Windows and Macintosh computers. Includes system requirements and connection setup.</p>
	<p>PENTAX IQ Zoom 105WR Operating Manual: Your Guide to Weather-Resistant Photography</p> <p>Discover the PENTAX IQ Zoom 105WR camera with this comprehensive operating manual. Learn about its weather-resistant features, zoom capabilities, photography tips, and essential safety precautions for capturing your cherished memories.</p>
	<p>PENTAX K-3 SLR Digitální fotoaparát – Návod k použití</p> <p>Komplexní návod k použití pro digitální zrcadlovku PENTAX K-3 od RICOH. Pokrývá vše od základního nastavení a fotografování po pokročilé funkce, prohlížení, nastavení a technické informace. Ideální pro uživatele PENTAX K-3.</p>