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› Pentax K-5 16.3 MP Digital SLR with 18-55mm Lens and 3-Inch LCD (Black) Body + 18-55mm Lens Instruction Manual

Pentax K-5 Black 18-55mm Kit

Pentax K-5 Digital SLR Instruction Manual

Model: K-5 Black 18-55mm Kit

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1. INTRODUCTION

The Pentax K-5 is a high-performance 16.3 MP Digital SLR camera designed for advanced photography. It combines robust construction with sophisticated imaging capabilities, making it suitable for a wide range of photographic applications. This manual provides essential information for setting up, operating, and maintaining your Pentax K-5 camera.



Figure 1: Pentax K-5 Digital SLR Camera with 18-55mm Lens

2. WHAT'S IN THE BOX

Verify that all items are present in the packaging before proceeding with setup.

- Pentax K-5 Digital SLR Body
- SMC Pentax-DA 18-55mm F3.5-5.6 AL WR Lens
- Rechargeable Lithium-ion Battery D-LI90
- Battery Charger D-BC90
- AC Plug Cord
- USB Cable I-USB7
- AV Cable I-AVC7
- Strap O-ST53
- ME Viewfinder Cap
- Software (CD-ROM)



Figure 2: Battery Charger



Figure 3: Camera Strap



Figure 4: Product Packaging

3. INITIAL SETUP

3.1. Charging the Battery

Before first use, fully charge the D-LI90 lithium-ion battery. Insert the battery into the D-BC90 charger and connect the charger to a power outlet using the AC cord. The charging indicator light will show the charging status and turn off when complete.

3.2. Inserting the Battery and SD Card

Open the battery compartment cover located at the bottom of the camera. Insert the charged D-LI90 battery according to the orientation indicated inside the compartment. Insert a compatible SD/SDHC/SDXC memory card into the card slot until it clicks into place. Close the compartment cover securely.



Figure 5: Battery and SD Card Compartment

3.3. Attaching the Lens

Align the red dot on the lens barrel with the red dot on the camera's lens mount. Gently insert the lens into the mount and rotate it clockwise until it locks into place with a click. To remove the lens, press the lens release button on the camera body and rotate the lens counter-clockwise.



Figure 6: Lens Attachment

4. OPERATING THE CAMERA

4.1. Power On/Off

To power on the camera, rotate the power switch located around the shutter button to the 'ON' position. To power off, rotate it to 'OFF'.

4.2. Basic Photography Modes

The mode dial on the top of the camera allows selection of various shooting modes:

- **Auto (Green Mode):** Camera automatically sets optimal exposure for general shooting.
- **Program (P):** Camera sets aperture and shutter speed, user can shift the program line.
- **Shutter Priority (Tv):** User sets shutter speed, camera sets aperture.
- **Aperture Priority (Av):** User sets aperture, camera sets shutter speed.
- **Manual (M):** User sets both aperture and shutter speed.
- **User (USER):** Customizable mode for frequently used settings.



Figure 7: Top View with Mode Dial

4.3. Focusing

The K-5 features an 11-point SAFOX IX+ autofocus system. Select your desired AF mode (AF.S for single, AF.C for continuous) using the switch on the side of the camera body. For manual focus, set the switch to 'MF' and adjust the focus ring on the lens.

4.4. Video Recording

The Pentax K-5 supports Full HD (1920 x 1080 pixels) video recording at 25 frames per second. To start recording, switch to Live View mode (LV button) and press the red video record button. An external 3.5mm stereo microphone jack is available for enhanced audio capture.

Video: Pentax K-5 Feature Overview. This video demonstrates key features of the Pentax K-5, including its robust build, high-speed shooting, and video capabilities.

4.5. Image Review

Press the Playback button (usually marked with a triangle icon) to review captured images and videos on the 3-inch LCD monitor. Use the four-way controller to navigate through your media.



Figure 8: Rear View with LCD and Controls

5. KEY FEATURES

- **16.3-megapixel CMOS Sensor:** Delivers high-resolution images with excellent detail and color reproduction.
- **Wide ISO Range:** ISO 80-12800 (expandable to 51200) for superior low-light performance with reduced noise.
- **High-Speed Continuous Shooting:** Capture fast-moving subjects at approximately 7 frames per second.
- **SAFOX IX+ Autofocus System:** Advanced 11-point AF system with nine cross-type sensors for precise and fast focusing.
- **Sensor-Shift Shake Reduction (SR):** In-body image stabilization compensates for camera shake, providing sharp, blur-free images with any mounted lens.
- **Weather-Sealed and Coldproof Design:** Durable magnesium alloy body with 77 special seals ensures reliable operation in challenging weather conditions and temperatures as low as -10°C.
- **Full HD Video Recording:** Capture cinematic video at 1920 x 1080 pixels, 25 fps, with external microphone support.
- **PRIME II Imaging Engine:** High-performance processor for fast image data processing and superior image quality.
- **100% Field of View Viewfinder:** Bright, clear optical viewfinder for accurate composition.
- **HDR (High Dynamic Range) Function:** Creates a single composite image with extended gradation range from multiple exposures.

6. MAINTENANCE

6.1. Cleaning the Camera Body and Lens

Use a soft, lint-free cloth to wipe the camera body. For stubborn dirt, slightly dampen the cloth with water. Never use organic solvents. For the lens, use a lens brush to remove dust, then a lens cleaning solution and a microfiber cloth. Avoid touching the lens surface directly.

6.2. Sensor Cleaning

The K-5 features a DR II (Dust Removal II) mechanism to shake dust off the CMOS sensor. This function can be activated via the camera menu. For persistent dust, professional sensor cleaning is recommended.

6.3. Storage

When not in use for extended periods, remove the battery from the camera. Store the camera and lens in a cool, dry place, away from direct sunlight and extreme temperatures. Use desiccant packets if storing in humid environments.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Camera does not power on.	Battery is depleted or incorrectly inserted.	Charge the battery fully and ensure it is inserted correctly.
Images are blurry.	Camera shake, incorrect focus, or slow shutter speed.	Ensure proper grip, check focus, increase shutter speed, or enable Shake Reduction.
Memory card error.	Incompatible card, corrupted card, or full card.	Use a compatible SDXC card, format the card (this will erase data), or use a new card.
No sound in video playback.	Microphone settings, or external microphone issue.	Check audio settings in the menu. If using an external mic, ensure it is properly connected and functional.

8. SPECIFICATIONS

Feature	Detail
Sensor Type	CMOS (APS-C)
Effective Still Resolution	16.3 MP
ISO Range	80-12800 (expandable to 51200)
Continuous Shooting Speed	7 fps
Autofocus System	SAFOX IX+ (11 points, 9 cross-type)
Image Stabilization	Sensor-shift (SR)
Video Resolution	FHD 1080p (1920 x 1080) at 25 fps
LCD Monitor	3.0-inch, 921,000 dots
Shutter Speed	1/8000 to 30 seconds
Storage Media	SD/SDHC/SDXC
Connectivity	HDMI, USB

Feature	Detail
Body Material	Magnesium Alloy Housing on Stainless Steel Chassis
Weather Resistance	Dustproof, Weather-resistant, Cold-resistant (-10°C)
Weight	1.63 Pounds (Body Only)

9. WARRANTY AND SUPPORT

9.1. Warranty Information

The Pentax K-5 camera comes with a limited manufacturer's warranty. Please refer to the warranty card included in your product packaging for specific terms, conditions, and duration. Retain your proof of purchase for warranty claims.

9.2. Customer Support

For technical assistance, service, or additional information, please visit the official Pentax support website or contact their customer service department. Contact details can typically be found in the included documentation or on the manufacturer's website.

Online resources may include:

- [Pentax Official Store on Amazon](#)
- Product FAQs and Knowledge Base
- Driver and Firmware Downloads