

## Pentax KP

# Pentax KP DSLR Camera User Manual

Model: KP

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## 1. INTRODUCTION

The Pentax KP is an ultra-compact, weatherproof DSLR camera designed for advanced photographers. It features a 24.32 effective Megapixel APS-C CMOS sensor, 5-axis in-body shake reduction, and Pixel Shift Resolution technology for enhanced image quality. Its robust construction allows operation in challenging conditions, including low temperatures.



Figure 1.1: Front view of the Pentax KP DSLR camera with a lens attached.

## 2. WHAT'S IN THE BOX

Upon opening your Pentax KP package, verify that all the following items are included:

- Pentax KP Camera Body
- GRIP S O-GP167 W/SCREW KIT
- GRIP M O-GP1671 W/SCREW KIT
- GRIP L O-GP1672 W/SCREW KIT
- RECHARGEABLE L-ION BATTERY D-LI109(U)
- BATTERY CHARGER D-BC109(A)
- AC PLUG CORD D-CO68US
- SOFTWARE S-SW167
- PENTAX STRAP O-ST162

- PENTAX EYECUP FR
- HOTSHOE COVER FK
- BODY MOUNT CAP KIT
- TRIANGULAR RING
- PROTECTIVE COVER
- BATTERY GRIP TERMINAL COVER

## 3. SETUP

### 3.1 Attaching the Grip

The Pentax KP comes with three interchangeable grips (S, M, L) to suit different hand sizes. Use the included hex-screw and Allen wrench to securely attach your chosen grip to the camera body.

### 3.2 Charging and Inserting the Battery

1. Insert the D-LI109(U) rechargeable lithium-ion battery into the D-BC109(A) battery charger.
2. Connect the AC plug cord D-CO68US to the charger and a power outlet.
3. Charge the battery until the indicator light on the charger signals a full charge.
4. Once charged, open the battery compartment on the camera and insert the battery, ensuring it clicks into place.

### 3.3 Inserting a Memory Card

The Pentax KP supports Micro SD cards up to 128 GB. Open the memory card slot cover, insert the Micro SD card with the contacts facing the correct direction until it locks, then close the cover.

### 3.4 Attaching a Lens

Align the red or white index mark on the lens with the corresponding mark on the camera's lens mount. Rotate the lens clockwise until it clicks into place. To remove, press the lens release button and rotate counter-clockwise.

## 4. OPERATION

### 4.1 Powering On and Basic Shooting

Turn the power switch to the ON position. The camera will display the current settings on the 3-inch tilting LCD monitor. For basic shooting, set the mode dial to 'AUTO'. The camera will automatically adjust exposure settings.

### 4.2 Understanding the 3-Dial Control System

The Pentax KP features a unique 3-dial control system for quick adjustments to key exposure settings. These dials allow for intuitive control over shutter speed, aperture, and ISO, depending on the selected shooting mode.

### 4.3 Image Stabilization (5-Axis Shake Reduction)

The camera incorporates a 5-axis sensor-shift image stabilization system. This system automatically compensates for camera shake, allowing for sharper images, especially in low light or with longer focal lengths. It is active by default but can be toggled on or off in the camera's menu.

### 4.4 Pixel Shift Resolution Technology

For maximum image detail and color accuracy, the Pentax KP offers Pixel Shift Resolution. This feature captures four images, shifting the sensor by a single pixel for each shot, and then combines them into a single, high-resolution image.

This mode is ideal for static subjects and can be enabled via the menu. Motion Correction can also be applied in this mode.

## 4.5 Weather Resistance and Low-Temperature Operation

The Pentax KP is designed with a dustproof and weather-resistant construction, allowing it to operate reliably in various environmental conditions. It is rated to function in temperatures as low as -10 degrees Celsius (14 degrees Fahrenheit). Ensure all port covers are securely closed when operating in adverse weather.

## 4.6 Focusing Modes

The camera features Auto Focus (AF) with 27 autofocus points, utilizing Contrast Detection Autofocus. The default focus mode is Single-Servo AF (AF-S), suitable for stationary subjects. Consult the camera's detailed menu for other focusing options and settings.

## 4.7 Using the Built-in Flash

The Pentax KP includes a built-in flash with modes such as Auto, On, and Off. The flash can be deployed manually or set to activate automatically in low-light conditions. Adjust flash settings via the camera's menu or dedicated buttons.

## 4.8 Wi-Fi Connectivity

The camera features built-in 802.11 b/g/n Wi-Fi for wireless image transfer and remote control. Refer to the camera's Wi-Fi settings in the menu for connection instructions and compatible applications.

# 5. MAINTENANCE

## 5.1 Cleaning the Camera Body and Lens

Use a soft, lint-free cloth to gently wipe the camera body. For lenses, use a specialized lens cleaning solution and cloth. Avoid touching the sensor directly. For stubborn dust on the sensor, use a blower brush or consult a professional service center.

## 5.2 Battery Care

To prolong battery life, store batteries in a cool, dry place when not in use. Avoid fully discharging the battery frequently. Use only genuine Pentax batteries and chargers.

## 5.3 Storage

When storing the camera for extended periods, remove the battery. Store the camera in a dry environment, ideally with desiccant packs, to prevent mold and mildew growth.

# 6. TROUBLESHOOTING

- **Camera does not power on:** Ensure the battery is fully charged and correctly inserted. Check if the battery compartment cover is closed securely.
- **Images are blurry:** Verify that the lens is properly attached and clean. Check focus settings and ensure image stabilization is active if shooting handheld in low light. Increase shutter speed if motion blur is present.
- **Wi-Fi connection issues:** Ensure Wi-Fi is enabled on the camera and your smart device. Check network settings and try restarting both devices.
- **Memory card error:** Ensure the memory card is inserted correctly and is not full or corrupted. Try formatting the card (this will erase all data).
- **Flash not firing:** Check flash mode settings. Ensure the flash is popped up if set to manual deployment.

If problems persist, consult the full Pentax KP manual or contact customer support.

## 7. SPECIFICATIONS

Feature	Detail
Model Name	Pentax KP
Photo Sensor Resolution	24.3 MP
Photo Sensor Size	APS-C
Image Stabilization	5-Axis Sensor-Shift (Dynamic)
Expanded ISO Maximum	819200
Display Type	LCD, Tilting
Screen Size	3 Inches
Autofocus Points	27
Connectivity Technology	HDMI, USB, Built-in Wi-Fi (802.11 b/g/n)
Video Resolution	FHD 1080p
Weather Resistance	Dustproof, Weather Resistant
Operating Temperature	Down to -10°C (14°F)
Battery Type	Lithium Ion (D-LI109(U))
Item Weight	1.5 Pounds
Compatible Mountings	Pentax KAF
Supported File Format	JPEG, RAW (14 Bit)
Maximum Shutter Speed	30 seconds
Minimum Shutter Speed	30 Seconds
Built-in Flash	Yes

## 8. WARRANTY & SUPPORT

### 8.1 Warranty Information

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

### 8.2 Customer Support

For further assistance, technical support, or service inquiries, please visit the official Pentax support website or contact your local Pentax service center. You can also find more information on the [Ricoh Imaging Store on Amazon](#).

