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Pentax Q10

Pentax Q10 Digital Camera Instruction Manual

Model: Q10

INTRODUCTION

This manual provides detailed instructions for the operation and maintenance of your PENTAX Q10 digital interchangeable lens camera. The PENTAX Q10 is a super-compact and lightweight camera designed to deliver high-quality photography with a 12.4MP CMOS image sensor and improved autofocus performance.

WHAT'S IN THE BOX

- PENTAX Q10 Camera Body
- 02 Standard Zoom Lens (5-15mm)
- Rechargeable Lithium-Ion Battery
- Battery Charger
- USB Cable
- Strap
- Body Mount Cap
- Lens Caps (front and rear)
- Software CD-ROM
- Instruction Manual (this document)

CAMERA OVERVIEW



Figure 1: Front View (Lens Removed) - This image displays the front of the Pentax Q10 camera body with the lens detached, revealing the image sensor and the Q-mount for interchangeable lenses. The 'PENTAX' logo is visible at the top, and 'SR' (Shake Reduction) is indicated on the grip.



Figure 2: Front View with Lens Attached - The Pentax Q10 camera is shown with the 02 Standard Zoom Lens (5-15mm) mounted. This view highlights the compact size of the camera with its standard kit lens.



Figure 3: Top View - This overhead view of the Pentax Q10 shows the main controls on the top panel, including the mode dial (with Auto, P, Av, Tv, M, SCN settings), the power ON/OFF button, the shutter release button, and the hot shoe for external flash units.



Figure 4: Front View with Flash Activated - The Pentax Q10 is depicted with its built-in pop-up flash extended, ready for use. This view also shows the 02 Standard Zoom Lens attached.



Figure 5: Rear View - The back of the Pentax Q10 camera features the 3-inch LCD screen, along with various control buttons such as the playback button, delete button, ISO, OK, WB, and menu navigation buttons.

BASIC SETUP

1. Charging the Battery

Insert the provided rechargeable battery into the battery charger. Connect the charger to a power outlet. The charging indicator light will show the charging status. Once fully charged, remove the battery.

2. Inserting the Battery and Memory Card

Open the battery/memory card compartment cover located at the bottom of the camera. Insert the charged battery with the correct orientation until it clicks into place. Insert an SD/SDHC/SDXC memory card into the card slot until it locks. Close the compartment cover securely.

3. Attaching the Lens

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

4. Initial Settings

Upon first power-on, the camera may prompt you to set the date, time, and language. Follow the on-screen instructions using the control buttons and LCD screen.

OPERATING THE CAMERA

Power On/Off

Press the **ON/OFF** button located on the top panel to power the camera on or off.

Shooting Modes

Rotate the mode dial on the top of the camera to select your desired shooting mode:

- **Auto:** Fully automatic shooting for ease of use.
- **P (Program AE):** Camera sets aperture and shutter speed, but allows for program shift.
- **Av (Aperture Priority AE):** You set the aperture, camera sets shutter speed.
- **Tv (Shutter Priority AE):** You set the shutter speed, camera sets aperture.
- **M (Manual):** You set both aperture and shutter speed.
- **SCN (Scene Modes):** Pre-set modes for specific situations (e.g., Portrait, Landscape, Night Scene, Macro, Blue Sky, Forest, Blur control).

Taking Photos

1. Select a shooting mode using the mode dial.
2. Frame your shot using the LCD monitor.
3. Press the shutter release button halfway down to focus. The camera will confirm focus.
4. Press the shutter release button fully to take the picture.

Video Recording

The PENTAX Q10 supports Full 1080p HD video recording at 30 frames per second with H.264 compression. To record video:

1. Switch the camera to movie mode (if available on the mode dial or via menu setting).

2. Press the dedicated movie recording button (if present) or the shutter release button to start recording.
3. Press the button again to stop recording.

Flash Operation

The camera features a built-in pop-up flash. To activate the flash, slide the flash release lever. The flash has various modes (e.g., Auto, Flash On, Red-eye Reduction) which can be selected via the camera's menu or dedicated flash button.

Autofocus System

The PENTAX Q10 utilizes a contrast detection autofocus system with 25 autofocus points. Available AF modes include Continuous, Face Detection, Multi-area, Selective single-point, Single, and Tracking. Select the appropriate AF mode from the camera's menu to suit your shooting conditions.

Image Stabilization

The camera incorporates a sensor-shift shake reduction system to minimize blur caused by camera shake, especially in low light conditions or when using longer focal lengths.

MAINTENANCE

Cleaning the Camera Body

Wipe the camera body with a soft, dry cloth. For stubborn dirt, slightly dampen the cloth with water or a mild cleaning solution specifically designed for electronics. Avoid using strong solvents.

Cleaning the Lens

Use a lens blower to remove dust from the lens surface. For smudges, use a specialized lens cleaning cloth and lens cleaning fluid. Never touch the lens surface with your fingers.

Sensor Cleaning

The PENTAX Q10 features an integrated DR II (Dust Removal II) dust reduction system. If dust spots appear on your images, consult a professional service center for sensor cleaning. Attempting to clean the sensor yourself can cause damage.

Battery Care

Store batteries in a cool, dry place. Do not expose them to extreme temperatures. If the camera will not be used for an extended period, remove the battery.

TROUBLESHOOTING

Camera Does Not Power On

- Ensure the battery is fully charged and correctly inserted.
- Check if the battery contacts are clean.

Cannot Take Pictures

- Verify that a memory card is inserted and has sufficient free space.
- Check if the lens is properly attached and unlocked.
- Ensure the camera is not in playback mode.
- If the flash is set to a slow sync mode, the shutter may not release immediately.

Images Are Blurry

- Ensure the lens is clean.

- Check if the camera is properly focused.
- Use a faster shutter speed or increase ISO in low light conditions.
- Confirm that the image stabilization (SR) is active if needed.

Memory Card Error

- Reinsert the memory card.
- Try a different, compatible memory card.
- Format the memory card (note: this will erase all data).

SPECIFICATIONS

Model Name	Pentax Q10
Image Sensor	12.4 MP Backlit CMOS (1/2.3-inch)
Effective Still Resolution	12.4 MP
Lens Mount	Pentax Q-mount
Image Stabilization	Sensor-shift
Video Resolution	Full HD 1080p (1920x1080) at 30fps (H.264)
Display	3-inch LCD (460,000 dots)
ISO Sensitivity	Expanded ISO Minimum 100
Shutter Speed	1/8000 to 30 seconds
Autofocus System	Contrast Detection (25 points)
Continuous Shooting	Up to 5 fps
Storage Media	SD/SDHC/SDXC Memory Card
Connectivity	HDMI (Type C Mini), USB
Weight (Approx.)	0.44 Pounds (Body only)

Note: Specifications are subject to change without notice.

WARRANTY AND SUPPORT

Warranty Information

The PENTAX Q10 camera comes with a **1-year parts and labor warranty** from the date of purchase. Please retain your proof of purchase for warranty claims. This warranty covers manufacturing defects and workmanship under normal use.

Customer Support

For technical assistance, service, or further inquiries, please visit the official Pentax support website or contact their customer service department. Contact information can typically be found on the manufacturer's website or in the warranty card included with your product.

