

KODAK Z7590

KODAK EasyShare Z7590 Digital Camera User Manual

Model: Z7590

INTRODUCTION

Welcome to the KODAK EasyShare Z7590 Digital Camera user manual. This guide provides detailed instructions for setting up, operating, and maintaining your camera. The EasyShare Z7590 is a 5.0-megapixel digital camera featuring a 10x optical zoom Schneider-Kreuznach Variogon lens, designed to capture high-quality images and videos. Its intuitive design and advanced features make it suitable for various photography needs.

The camera is equipped with a 2.2-inch high-resolution indoor/outdoor display, capable of recording continuous VGA (640 x 480) video with audio. It supports SD/MMC memory cards for expanded storage and includes a 32MB internal memory.

WHAT'S IN THE BOX

Verify that all items are present in your camera package:

- KODAK EasyShare Z7590 Zoom Digital Camera
- High-capacity KODAK EasyShare Li-Ion Rechargeable Battery (1700mAh)
- Rapid Battery Charger Kit
- Audio-Video Cable
- USB Cable
- Neck Strap
- Lens Cap with Strap
- Getting Started Kit (with KODAK EasyShare Software)
- Custom Camera Insert (for optional KODAK EasyShare camera and printer docks)

SETUP

1. Charging the Battery

Before initial use, fully charge the provided Li-Ion rechargeable battery using the rapid battery charger.

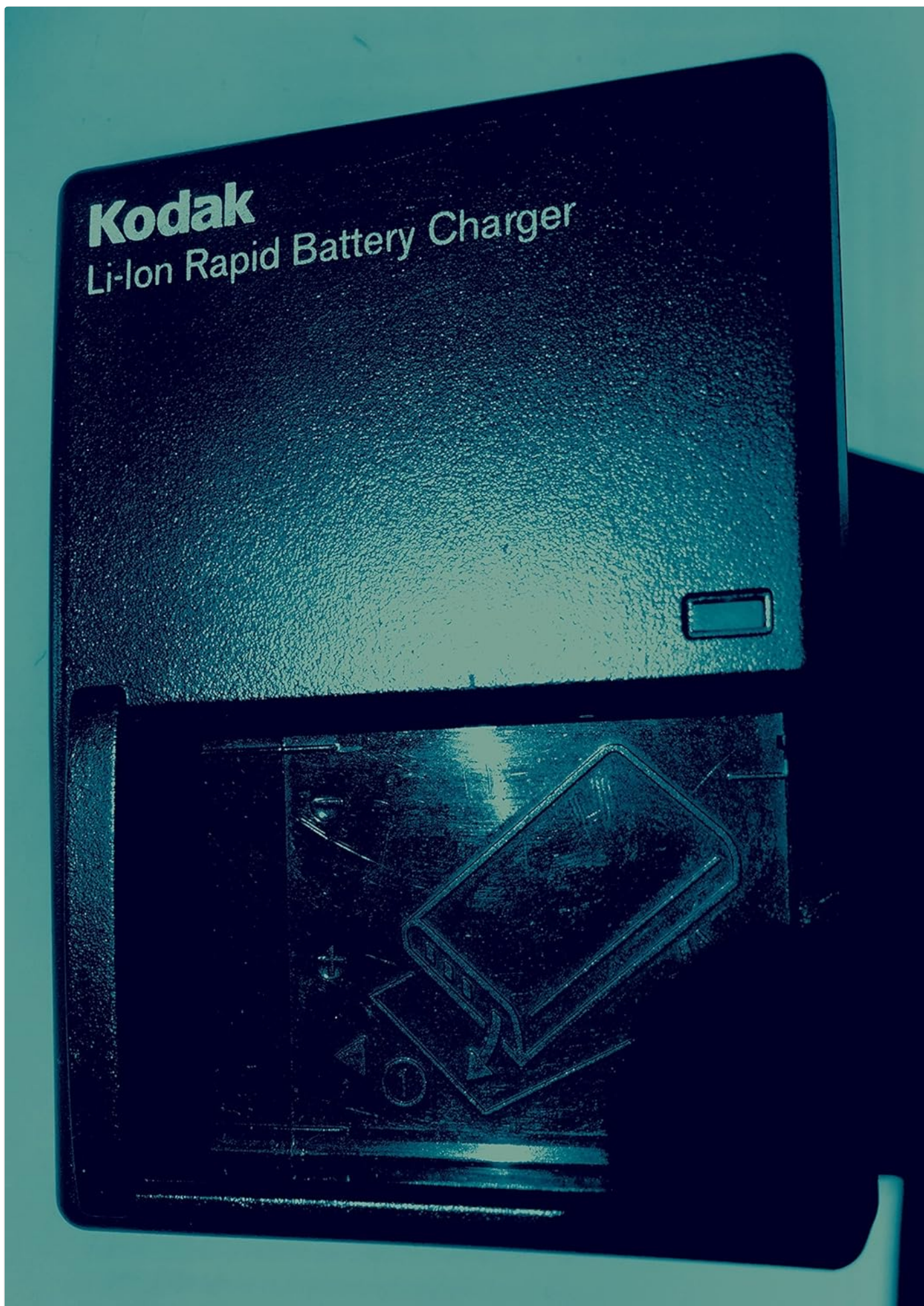


Image: KODAK Li-Ion Rapid Battery Charger. Insert the battery into the charger as indicated by the diagram on the charger.

1. Insert the KODAK Li-Ion battery into the rapid battery charger.

2. Plug the charger into a power outlet.
3. The charging indicator light will show the charging status. Refer to the charger's specific instructions for light indications.
4. Once fully charged, remove the battery and insert it into the camera.

2. Inserting a Memory Card

The camera has 32MB of internal memory. For extended shooting, insert an SD or MMC memory card.



Image: SD and MMC Memory Cards. The camera supports both SD and MMC card types.

1. Locate the memory card slot on the camera (typically on the side or bottom).
2. Insert the SD or MMC card with the metal contacts facing the correct direction, as indicated by a diagram near the slot.
3. Push the card in until it clicks into place.

3. Attaching the Neck Strap and Lens Cap

Attach the neck strap for secure handling and the lens cap to protect the lens when not in use.



Image: KODAK EasyShare Z7590 Digital Camera. The camera is shown with the neck strap attached and the lens cap covering the lens.

OPERATING THE CAMERA

Camera Controls Overview



Image: Rear view of the KODAK EasyShare Z7590 Digital Camera. This image highlights the LCD screen, control dial, and various buttons such as 'on/off', 'share', 'delete', 'menu', and 'review'.

- **Power Button:** Located on the top of the camera, used to turn the camera on or off.
- **Shutter Button:** Press halfway to focus, fully to take a picture.
- **Zoom Lever:** Controls the 10x optical zoom and 3x advanced digital zoom.
- **Mode Dial:** Selects shooting modes (Auto, Program, Aperture Priority, Shutter Priority, Manual, Scene, Movie).
- **LCD Display:** 2.2-inch high-resolution screen for composing shots and reviewing images.
- **Share Button:** For tagging photos for printing or emailing.
- **Menu Button:** Accesses camera settings and options.
- **Delete Button:** Removes unwanted photos or videos.
- **Review Button:** Enters playback mode to view captured media.

Shooting Modes

The mode dial allows selection of various shooting modes to suit different photographic situations.

- **Auto Mode (AUTO):** Camera automatically sets optimal exposure.
- **Program Mode (P):** Camera sets optimal shutter speed and aperture combination.
- **Aperture Priority Mode (A):** You choose the aperture, and the camera sets the shutter speed.
- **Shutter Priority Mode (S):** You choose the shutter speed, and the camera sets the aperture.
- **Manual Mode (M):** Full control over aperture and shutter speed.
- **Custom Mode:** Allows you to create and save your own capture settings.

- **Scene Modes (SCN):** Pre-programmed settings for specific scenarios (e.g., Portrait, Landscape, Sport, Night).
- **Movie Mode:** For recording video with audio.

Taking Photos

1. Turn on the camera using the power button.
2. Select your desired shooting mode using the mode dial.
3. Frame your shot using the LCD display or electronic viewfinder.
4. Use the zoom lever to adjust the focal length.



Image: Front view of the KODAK EasyShare Z7590 Digital Camera, highlighting the Schneider-Kreuznach Variogon lens with 10x optical zoom.

5. Press the shutter button halfway to focus. The focus indicator will confirm focus.
6. Press the shutter button fully to capture the image.

Recording Videos

1. Turn the mode dial to Movie Mode.
2. Press the shutter button to start recording.
3. Press the shutter button again to stop recording.
4. Videos are recorded in VGA (640 x 480) at 12 frames per second or QVGA (320 x 240) at 20 frames per second, with audio.

ADVANCED FEATURES

Manual Controls

For experienced users, the Z7590 offers extensive manual controls:

- **Exposure Compensation:** +/- 2.0 EV in 0.3 EV steps.
- **Aperture:** Wide (f2.8-8.0) and Tele (f3.7-8.0).
- **Shutter Speed:** Automatic: 1/8-1/1700 sec.; Manual: 16-1/1000 sec.
- **ISO Equivalents:** Automatic: 80-160; Selectable: 80, 100, 200, 400, 800.
- **Autofocus:** Multi-zone, center weighted, selectable: left, center, right.
- **Exposure Metering Type:** Auto: TTL-AE matrix metering; Selectable: multi-pattern, center-weighted, center spot.
- **White Balance:** Auto, daylight, tungsten, fluorescent, open shade.
- **Flash Compensation:** 1.0 EV in 1/2 EV steps.
- **Flash Mode:** Auto, red-eye, fill, off.

Continuous Shooting and Bracketing

- **First Burst Mode:** Captures up to 5 frames in rapid succession at 2 frames per second.
- **Last Burst Mode:** Captures up to 30 frames at 2 frames per second, saving the last 4 frames.
- **Autoexposure Bracketing:** 3 images with user-selectable brackets (+/-0.3, +/-0.7 or +/-1.0 EV).

Scene Modes

The camera includes 16 programmed scene modes for optimized shooting in various conditions:

- **Portrait Modes:** Portrait, Self-portrait, Night Portrait, Backlight.
- **Landscape Modes:** Landscape, Night Landscape, Fireworks.
- **Bright Scene Modes:** Beach and Snow.
- **Action Modes:** Sport and Children.
- **Close-up Modes:** Macro and Flower.
- **Party Mode:** For indoor settings with lower light.
- **Text/Documents Mode:** Ensures sharp text when photographing documents.
- **Manner/Museum Mode:** Use when sound or flash are not desired.

Color Modes

Adjust the color output of your images with 5 available color modes:

- High Color
- Low Color
- Natural Color
- Sepia
- Black and White

CONNECTING AND SHARING

The KODAK EasyShare Z7590 is designed for easy sharing of your photos and videos.

Using the Share Button

The exclusive Share button on the camera allows you to tag favorite pictures for later printing or emailing directly from the camera when connected to a computer with KODAK EasyShare Software.

KODAK EasyShare Software

The included KODAK EasyShare Software works seamlessly with your camera to enable one-button transferring and sharing. It provides tools to view, edit, organize, print, or create slide shows from your computer. The "One Touch to Better Pictures" feature automatically adjusts inkjet printer settings for optimal photo quality on KODAK Inkjet Photo Papers.

Connecting to a Computer

Use the provided USB cable to connect your camera to a computer for transferring files.

Connecting to a TV

Use the provided Audio-Video cable to connect your camera to a television for viewing photos and videos on a larger screen.

MAINTENANCE

Proper care and maintenance will ensure the longevity and optimal performance of your KODAK EasyShare Z7590 Digital Camera.

- **Cleaning the Lens:** Use a soft, lint-free cloth specifically designed for camera lenses. Avoid using abrasive materials or harsh chemicals. Gently wipe the lens in a circular motion.
- **Cleaning the Camera Body:** Wipe the camera body with a soft, dry cloth. For stubborn dirt, slightly dampen the cloth with water. Do not use solvents or alcohol.
- **Battery Care:** Store batteries in a cool, dry place. Do not expose them to extreme temperatures. Remove the battery if the camera will not be used for an extended period.
- **Storage:** Store the camera in a dry, dust-free environment, preferably in a camera bag or case. Avoid direct sunlight and high humidity. Ensure the lens cap is on when storing.
- **Memory Card Care:** Handle memory cards carefully. Avoid bending or exposing them to static electricity. Format memory cards periodically within the camera to maintain performance.

TROUBLESHOOTING

This section addresses common issues you might encounter with your KODAK EasyShare Z7590 Digital Camera.

Problem	Possible Cause / Solution
Camera does not turn on.	Ensure the battery is fully charged and correctly inserted. Try a different charged battery if available. Check if the battery contacts are clean.
Pictures are blurry.	Ensure the lens is clean. Hold the camera steady when shooting. Press the shutter button halfway to allow the camera to focus before fully pressing. Check if the correct focus mode is selected for the scene. In low light, use flash or increase ISO (may introduce noise).
Flash does not fire.	Check the flash mode setting (ensure it's not set to "Off" or "Red-eye reduction" if you expect an immediate flash). The flash may be recharging if recently used.

Problem	Possible Cause / Solution
Memory card error.	Ensure the memory card is inserted correctly. The card may be full; transfer photos to a computer or delete unwanted ones. Try formatting the memory card (this will erase all data). Try a different memory card.
Cannot connect to computer.	Ensure the USB cable is securely connected to both the camera and the computer. Verify that KODAK EasyShare Software is installed on your computer. Try a different USB port on your computer. Restart both the camera and the computer.

SPECIFICATIONS

Key technical specifications for the KODAK EasyShare Z7590 Digital Camera:

Feature	Detail
Model Name	Kodak Easyshare Z7590
Brand	KODAK
Effective Still Resolution	5 MP
Photo Sensor Technology	CCD
Optical Zoom	10x
Digital Zoom	3x
Lens Type	Schneider-Kreuznach Variogon Lens
Minimum Focal Length	38 Millimeters
Maximum Focal Length	380 Millimeters
Screen Size	2.2 Inches
Display Type	High-resolution Indoor/Outdoor LCD
Image Stabilization	Digital, Optical
Supported File Format	JPEG (Still), MPEG-4 (Video)
Video Resolution	VGA (640 x 480) at 12 fps, QVGA (320 x 240) at 20 fps
Internal Memory	32 MB
Flash Memory Type	SD/MMC card expansion slot
Minimum Shutter Speed	16 seconds
Maximum Shutter Speed	1/1700 Seconds (Auto), 1/1000 Seconds (Manual)
ISO Range	Auto (80-160), Selectable (80, 100, 200, 400, 800)

Feature	Detail
Connectivity Technology	USB
Power Source	Li-Ion Rechargeable Battery (1700mAh)
Item Weight	0.88 Pounds

WARRANTY AND SUPPORT

For information regarding warranty coverage, please refer to the warranty card included with your product or visit the official KODAK support website.

For technical assistance, troubleshooting beyond this manual, or service inquiries, please contact KODAK customer support.

- **Manufacturer:** Kodak Digital
- **Brand Store:** [Visit the KODAK Store on Amazon](#)

