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Canon 6052C002

Canon EOS R100 Mirrorless Camera Instruction Manual

Model: EOS R100 (6052C002)

1. INTRODUCTION

This manual provides essential instructions for the safe and effective use of your Canon EOS R100 Mirrorless Camera. Please read this manual thoroughly before using the camera and keep it for future reference. The Canon EOS R100 is designed for content creation, featuring a 24.1MP APS-C CMOS sensor and DIGIC 8 processor, capable of 4K 24p cropped video and Full HD 60p video recording.

2. PRODUCT OVERVIEW

Familiarize yourself with the main components and controls of your Canon EOS R100 camera.

2.1 Front View



Figure 2.1: Front view of the Canon EOS R100 camera body, showing the RF lens mount, grip, and Canon branding.

The front of the camera features the Canon RF lens mount, where compatible lenses are attached. The large grip on the right side provides a secure hold. The Canon EOS R100 branding is visible on the top left.

2.2 Rear View



Figure 2.2: Rear view of the Canon EOS R100 camera, displaying the LCD screen, electronic viewfinder, and control buttons.

The rear panel includes the 3-inch LCD screen for live view and menu navigation, the electronic viewfinder (EVF) for eye-level shooting, and various control buttons such as the INFO button, ISO/SET button, playback button, and MENU button.

2.3 Top View



Figure 2.3: Top view of the Canon EOS R100 camera, showing the mode dial, hot shoe, and power switch.

The top of the camera features the mode dial for selecting shooting modes (e.g., Program, Aperture Priority, Shutter Priority, Manual, Scene modes), the hot shoe for external flash units, and the ON/OFF power switch.

2.4 Side Views



Figure 2.4: Left side view of the Canon EOS R100 camera, showing the microphone input and remote control terminal cover.

The left side of the camera body includes covers for the microphone input and remote control terminal, allowing for external audio recording and remote operation.



Figure 2.5: Right side view of the Canon EOS R100 camera, showing the USB and HDMI ports.

The right side of the camera body houses the USB and HDMI ports, used for connecting to computers, external displays, or other accessories.

3. SETUP

Follow these steps to prepare your camera for first use.

3.1 Charging and Installing the Battery

1. Insert the LP-E17 battery into the provided LC-E17 charger. Ensure the battery is correctly oriented.

2. Plug the charger into a power outlet. The charging indicator light will illuminate.
3. Once charging is complete, the indicator light will change or turn off. Remove the battery from the charger.
4. Open the battery compartment cover on the bottom of the camera.
5. Insert the charged battery into the compartment, ensuring it clicks into place. Close the cover securely.



Figure 3.1: The Canon LP-E17 battery and LC-E17 battery charger, essential for powering the camera.

The camera uses a Canon LP-E17 Lithium-Ion Battery Pack. Always use the genuine Canon LC-E17 Charger for optimal performance and safety. An additional LPE17 battery and an external charger are included in some bundles for extended shooting time.

3.2 Inserting a Memory Card

1. Ensure the camera is turned off.
2. Open the memory card slot cover, typically located on the side or bottom of the camera.
3. Insert an SD card (e.g., the included SanDisk 64GB Extreme Pro Card) into the slot with the label facing the correct direction, until it clicks into place.
4. Close the memory card slot cover securely.

The Canon EOS R100 supports SD, SDHC, and SDXC memory cards. For 4K video recording, a high-speed card (UHS Speed Class 3 or V30) is recommended.

3.3 Attaching a Lens

1. Remove the camera body cap and the rear lens cap.
2. Align the red or white index mark on the lens with the corresponding mark on the camera's lens mount.
3. Rotate the lens clockwise until it clicks into place.

The EOS R100 uses the Canon RF mount. Ensure the lens is securely attached before use.

3.4 Initial Settings

Upon first power-on, the camera may prompt you to set the date, time, and time zone. Follow the on-screen instructions to configure these settings.

4. OPERATING THE CAMERA

This section covers basic operation for capturing photos and videos.

4.1 Powering On/Off

To turn the camera on or off, use the ON/OFF switch located on the top panel.

4.2 Selecting a Shooting Mode

Rotate the mode dial on the top of the camera to select your desired shooting mode. Common modes include:

- **Scene Intelligent Auto (A+)**: Fully automatic mode for general photography.
- **Program AE (P)**: Camera sets aperture and shutter speed, but you can adjust other settings.
- **Shutter-priority AE (Tv)**: You set shutter speed, camera sets aperture.
- **Aperture-priority AE (Av)**: You set aperture, camera sets shutter speed.
- **Manual Exposure (M)**: You set both aperture and shutter speed.
- **Creative Assist**: Simplifies complex settings for creative effects.
- **Movie Mode**: Dedicated mode for video recording.

4.3 Focusing and Shooting

1. Look through the electronic viewfinder or use the LCD screen to compose your shot.
2. Press the shutter button halfway down to activate autofocus. The camera will focus on your subject using Dual Pixel CMOS AF.
3. Once focus is achieved (indicated by a green AF point), press the shutter button fully to take the picture.

The EOS R100 features 143 AF zones and can detect human faces and focus on their eyes for precise portraits.

4.4 Video Recording

To record video, set the mode dial to the movie mode icon. Press the dedicated movie recording button (often marked with a red dot) to start and stop recording. The camera supports 4K 24p (cropped) and Full HD 60p video recording.

4.5 Image Playback

Press the playback button (often marked with a triangle icon) to review your photos and videos on the LCD screen. Use the directional buttons or control dial to navigate through your media.

4.6 Connectivity (Wi-Fi and Bluetooth)

The EOS R100 includes built-in Wi-Fi and Bluetooth for wireless communication. Use the Canon Camera Connect app on your smartphone to transfer images, shoot remotely, or add GPS information to your photos.

5. MAINTENANCE

Proper care and maintenance will extend the life of your camera.

5.1 Cleaning the Camera

- **Camera Body:** Use a soft, dry cloth to wipe the camera body. For stubborn dirt, slightly dampen the cloth with water.
- **Lens:** Use a lens brush or a blower to remove dust. For smudges, use a lens cleaning solution and a microfiber cloth.
- **Sensor:** Cleaning the sensor should be done with extreme caution. If dust spots appear on your images, use the camera's built-in sensor cleaning function or consult a professional service.
- **LCD Screen:** Use a soft, dry cloth. Avoid harsh chemicals.

A cleaning kit, often including a blower, brush, and microfiber cloth, is useful for routine maintenance.

5.2 Battery Care

- Store batteries in a cool, dry place when not in use.
- Avoid fully discharging batteries frequently to prolong their lifespan.
- Do not expose batteries to extreme temperatures.

5.3 Storage

When storing the camera for extended periods, remove the battery and memory card. Store the camera in a dry, well-ventilated area, ideally in a camera bag (like the included soft bag) to protect it from dust and impact.

6. TROUBLESHOOTING

Refer to this section for solutions to common issues.

Problem	Possible Cause / Solution
Camera does not power on.	Battery is not charged or not inserted correctly. Ensure battery is charged and properly seated.
Cannot take pictures.	Memory card is full, locked, or not inserted. Check card status. Lens may not be attached correctly.
Images are blurry.	Incorrect focus, camera shake, or slow shutter speed. Ensure proper focus, use a faster shutter speed, or enable image stabilization if available on your lens.
Video recording stops unexpectedly.	Memory card write speed is too slow for the selected video quality. Use a faster memory card (UHS Speed Class 3 or V30).
Wi-Fi/Bluetooth connection fails.	Ensure the Canon Camera Connect app is installed and updated. Check camera and smartphone settings for correct pairing.

7. SPECIFICATIONS

Key technical specifications for the Canon EOS R100 Mirrorless Camera.

- **Sensor:** 24.1 Megapixel APS-C CMOS Sensor
- **Image Processor:** DIGIC 8
- **Lens Mount:** Canon RF Mount
- **Autofocus System:** Dual Pixel CMOS AF with 143 AF Zones
- **Video Recording:** 4K 24p (cropped), Full HD 60p
- **Continuous Shooting:** Up to 6.5 fps (electronic shutter)
- **ISO Sensitivity:** Expanded ISO 100-51200
- **Viewfinder:** 2.36m-Dot OLED Electronic Viewfinder

- **LCD Screen:** 3.0-inch 1.04m-Dot LCD
- **Connectivity:** Wi-Fi, Bluetooth, USB, HDMI
- **Storage Media:** SD/SDHC/SDXC card slot
- **Battery:** LP-E17 Lithium-Ion Battery Pack
- **Dimensions (approx.):** 4.58 x 3.37 x 2.71 inches (116.3 x 85.5 x 68.8 mm)
- **Weight (Body only, approx.):** 12.6 oz (356 g)

8. WARRANTY AND SUPPORT

This Canon EOS R100 camera comes with a **90-day limited warranty**. For warranty claims or technical support, please refer to the documentation provided with your purchase or visit the official Canon support website.

For additional resources, including detailed user guides and software downloads, please visit the [Canon Support Website](#).