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Sony a5100

Sony Alpha a5100 Mirrorless Digital Camera Instruction Manual

Model: a5100

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1. INTRODUCTION

The Sony Alpha a5100 is a compact mirrorless digital camera designed for high-quality photography and videography. It features a 24.3MP APS-C sensor, ultra-fast autofocus, and Full HD video recording capabilities. This manual provides essential instructions for setting up, operating, and maintaining your camera.

For optimal performance and to prevent damage, please read this manual thoroughly before using the camera.

2. WHAT'S IN THE BOX

Verify that all items are present in your package:

- Sony a5100 16-50mm Mirrorless Digital Camera with 3-Inch Flip Up LCD
- AC adaptor (AC-UB10)
- Lens cap
- Micro USB cable
- Rechargeable battery (NP-FW50)
- Shoulder strap
- Warranty card

3. CAMERA OVERVIEW

3.1 Front View



Figure 1: Front view of the Sony a5100 with the 16-50mm lens attached. Shows the lens, flash, and grip.

This image displays the front of the Sony a5100 camera. The 16-50mm zoom lens is prominently featured, along with the built-in pop-up flash unit located above the lens. The camera body has a textured grip for comfortable handling.

3.2 Top View



Figure 2: Top view of the Sony a5100. Shows the mode dial, power switch, and shutter button.

The top view highlights the camera's main controls, including the mode dial for selecting shooting modes (Auto, P, A, S, M, Scene Selection, Sweep Panorama, Movie), the power on/off switch integrated with the shutter button, and the zoom lever for power zoom lenses.

3.3 Rear View with LCD



Figure 3: Rear view of the Sony a5100 with the 3-inch flip-up LCD screen. Shows navigation buttons and record button.

This image shows the back of the camera with its 3-inch LCD screen tilted upwards, ideal for selfies or shooting from low angles. Visible controls include the menu button, AEL button, function (Fn) button, display (DISP) button, ISO button, and the dedicated movie record button.

3.4 Side View (Ports)



Figure 4: Side view of the Sony a5100, revealing the USB and HDMI ports under a protective cover.

The side of the camera features covered ports for connectivity, including a Micro USB port for charging and data transfer, and an HDMI output for connecting to external displays.

3.5 Bottom View (Battery/Card Slot)



Figure 5: Bottom view of the Sony a5100, showing the battery and memory card compartment, and tripod mount. The bottom of the camera houses the battery and memory card compartment, secured by a latch. A standard tripod mount thread is also present for attaching the camera to a tripod or other accessories.

4. SETUP

4.1 Charging the Battery

1. Insert the supplied NP-FW50 rechargeable battery into the camera.
2. Connect the camera to the AC adaptor (AC-UB10) using the Micro USB cable.
3. Plug the AC adaptor into a wall outlet. The charge lamp will light up.
4. Charging is complete when the charge lamp turns off.

4.2 Inserting a Memory Card

1. Open the battery/memory card cover on the bottom of the camera.
2. Insert a compatible SD/SDHC/SDXC or Memory Stick Pro Duo/Pro-HG Duo card with the notched corner facing as shown in the diagram inside the compartment.
3. Push the card in until it clicks into place.
4. Close the cover securely.

4.3 Attaching the Lens

1. Remove the body cap from the camera and the rear lens cap from the lens.
2. Align the white index mark on the lens with the white index mark on the camera body.
3. Mount the lens by turning it clockwise until it clicks into place.
4. Remove the front lens cap.

5. OPERATING THE CAMERA

5.1 Basic Shooting Modes

Turn the mode dial to select your desired shooting mode:

- **Intelligent Auto (Green Camera Icon):** The camera automatically analyzes the scene and selects optimal settings.
- **Programmed AE (P):** The camera sets aperture and shutter speed automatically, but you can adjust other settings.
- **Aperture Priority (A):** You set the aperture, and the camera sets the shutter speed.
- **Shutter Priority (S):** You set the shutter speed, and the camera sets the aperture.
- **Manual Exposure (M):** You control both aperture and shutter speed.
- **Scene Selection (SCN):** Choose from various scene modes (e.g., Portrait, Landscape, Macro) for specific situations.
- **Sweep Panorama:** Capture panoramic images by sweeping the camera.

5.2 Recording Videos

To record a video, press the dedicated MOVIE button on the rear of the camera. Press it again to stop recording. The camera supports Full HD 1080/24/60P video up to 50MB/s.

The a5100's 179-point AF system ensures excellent tracking of moving subjects during video capture.

5.3 Using the Built-in Flash

The a5100 features a built-in pop-up flash. To activate it, press the flash button located on the top-left side of the camera (when viewed from the rear). The flash will automatically pop up. You can select various flash modes (Automatic, Fill Flash) through the camera's menu.

5.4 Wi-Fi and NFC Connectivity

The camera supports Wi-Fi and NFC (Near Field Communication) for easy sharing and remote control:

- **Instant Sharing:** Transfer photos directly to your compatible smartphone or tablet using Wi-Fi.
- **Remote Control:** Use your smartphone as a remote control to frame shots and trigger the shutter.
- **One-Touch Connection:** For NFC-enabled devices, simply touch the camera to the device to establish a connection.

5.5 Selfie Mode with Flip-Up Screen

The 3-inch LCD screen can be tilted 180° upwards, allowing for easy self-portraits and vlogging. This feature enables you to monitor your framing and composition while being in front of the camera.

5.6 Attaching Accessories

The camera includes a multi-interface shoe on top for attaching various accessories such as external microphones or lights. A standard tripod mount is located on the bottom for stable shooting.

6. MAINTENANCE

6.1 Cleaning the Camera and Lens

- Use a soft, dry cloth to clean the camera body.
- For the lens, use a lens brush to remove dust, then gently wipe with a lens cleaning cloth and lens cleaning fluid.
- Avoid touching the sensor directly. If the sensor requires cleaning, consult a professional service center.

6.2 Battery Care

- Charge the battery fully before each use.
- Store batteries in a cool, dry place when not in use.
- Avoid exposing the battery to extreme temperatures.

6.3 Storage

When storing the camera for extended periods, remove the battery and memory card. Store the camera in a dry, well-ventilated area, preferably in a camera bag with desiccant to prevent mold and mildew.

7. TROUBLESHOOTING

If you encounter issues with your Sony a5100, try the following common solutions:

- **Camera does not power on:** Ensure the battery is fully charged and correctly inserted.
- **Memory card error:** Reinsert the memory card. If the issue persists, try a different card or format the card (note: formatting will erase all data).
- **Poor image quality:** Check shooting mode, ISO settings, and ensure the lens is clean.
- **Wi-Fi connection issues:** Ensure Wi-Fi is enabled on both the camera and your smart device. Restart both devices.

For more detailed troubleshooting or persistent problems, refer to the full electronic manual or contact Sony support.

8. SPECIFICATIONS

Feature	Detail
Model Name	Sony Alpha A5100

Photo Sensor Resolution	24.3 MP
Photo Sensor Size	APS-C (23.5 x 15.6mm)
Lens Type	Interchangeable (Sony E-mount)
Screen Size	3 Inches (Tilting LCD)
Video Resolution	FHD 1080p (24/60P up to 50MB/s)
ISO Range	100-25600
Autofocus Points	179 (Phase Detection)
Connectivity	Wi-Fi, NFC, HDMI, USB
Item Weight	9.92 ounces

9. WARRANTY & SUPPORT

The Sony a5100 comes with a **1-year coverage for labor and 1-year coverage for parts** For warranty claims, technical support, or additional product information, please visit the official Sony support website or contact their customer service.

Official Sony Store: [Visit the Sony Store on Amazon](#)