Sony a6400 ILCE-6400/B

Sony a6400 Mirrorless Camera and DJI RS 3 Mini Gimbal Kit Instruction Manual

Model: ILCE-6400/B

1. INTRODUCTION

This manual provides essential instructions for the safe and effective use of your Sony a6400 Mirrorless Camera Body and DJI RS 3 Mini Gimbal Stabilizer Kit. Please read this manual thoroughly before operating the products and retain it for future reference.

2. PACKAGE CONTENTS

Verify that all items listed below are included in your package. If any items are missing or damaged, please contact your retailer.

- Sony a6400 Mirrorless APS-C Interchangeable-Lens Camera Body (ILCE-6400)
- AC Adaptor AC-UUE12
- Rechargeable Battery NP-FW50
- Accessory Shoe Cap
- Body Cap
- Eyepiece Cup
- Micro USB Cable
- Power Cord
- Shoulder Strap
- DJI RS 3 Mini Lightweight Travel Ronin Gimbal Stabilizer
- USB-C Charging Cable (for Gimbal)
- Multi-Camera Control USB-C Cable (for Gimbal)
- Quick-Release Plate (for Gimbal)

- Mini Tripod (for Gimbal)
- Screw Kit (for Gimbal)
- Deco Gear Photography Backpack
- Lexar 64GB Professional 1800x UHS-II SDXC Memory Card
- Corel Paint Shop Pro Software (Digital Download)
- VideoStudio SE Software (Digital Download)

3. CAMERA OVERVIEW

Familiarize yourself with the main components and controls of the Sony a6400 camera body.

Figure 3.1: Front view of the Sony a6400 camera body, showing the E-mount lens attachment area and grip.

Figure 3.2: Front view of the Sony a6400 with the LCD screen flipped upwards, ideal for vlogging or self-portraits.

Figure 3.3: Rear view of the Sony a6400, displaying the LCD screen, viewfinder, and various control buttons.

Figure 3.4: Rear view of the Sony a6400 with the LCD screen tilted downwards, useful for shooting from high angles.

Figure 3.5: Top view of the Sony a6400, showing the mode dial, power switch, and hot shoe.

Figure 3.6: Side view of the Sony a6400, revealing the various connectivity ports including USB and HDMI.

4. DJI RS 3 MINI GIMBAL OVERVIEW

Understand the components of your DJI RS 3 Mini Gimbal Stabilizer.

Figure 4.1: The DJI RS 3 Mini Gimbal Stabilizer, designed for lightweight cameras.

Figure 4.2: The DJI RS 3 Mini Gimbal with a camera mounted, demonstrating its compact form factor.

5. SETUP

5.1 Camera Setup

1. **Charge the Battery:** Insert the NP-FW50 battery into the AC Adaptor and plug it into a power outlet. The charging indicator will illuminate.
2. **Insert Memory Card:** Open the memory card slot cover and insert the Lexar 64GB SDXC card with the label facing the front of the camera until it clicks into place.
3. **Attach Lens:** Remove the body cap from the camera and the rear lens cap from your E-mount lens. Align the white index marks on the lens and camera body, then rotate the lens clockwise until it locks.
4. **Initial Power On:** Turn the camera's power switch to 'ON'. Follow the on-screen prompts to set the language, date, and time.

5.2 Gimbal Setup

1. **Charge the Gimbal:** Connect the USB-C Charging Cable to the gimbal and a power source.
2. **Assemble Gimbal:** Attach the mini tripod to the bottom of the gimbal handle. Unfold the gimbal arms.
3. **Mount Camera:** Secure the camera to the quick-release plate using the provided screw. Attach the quick-release plate with the camera to the gimbal.
4. **Balance the Gimbal:** Carefully adjust each axis of the gimbal until the camera remains stable in any position without power. Refer to the DJI RS 3 Mini user guide for detailed balancing instructions.
5. **Connect Camera:** Use the Multi-Camera Control USB-C Cable to connect the camera to the gimbal for control functions.

6. OPERATING THE CAMERA

The Sony a6400 offers advanced features for both photography and videography.

6.1 Basic Shooting Modes

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

- **AUTO:** Camera automatically adjusts settings for optimal results.
- **P (Program Auto):** Camera sets aperture and shutter speed, but you can adjust other settings.
- **A (Aperture Priority):** You set the aperture, camera sets shutter speed.
- **S (Shutter Priority):** You set the shutter speed, camera sets aperture.
- **M (Manual Exposure):** You control both aperture and shutter speed.
- **Movie Mode:** Dedicated mode for video recording.

6.2 Autofocus Features

The a6400 features a fast and precise autofocus system:

- **Real-time Eye AF:** Automatically detects and tracks human eyes for sharp portraits.
- **Real-time Tracking:** Utilizes AI-based object recognition to maintain focus on moving subjects.
- **425 Phase-detection AF points:** Covers approximately 84% of the image area for wide and accurate focusing.

6.3 Video Recording

The camera supports high-resolution 4K HDR movie recording with full pixel readout and no pixel binning. This ensures detailed and vibrant video footage.

Video 6.1: An official video introducing the Sony a6400 Mirrorless APS-C 4K Camera, highlighting its key features and capabilities.

6.4 Connectivity

The a6400 includes Wi-Fi, NFC, and QR code functionality for easy file transfer to smart devices and remote control of the camera.

7. OPERATING THE DJI RS 3 MINI GIMBAL

The DJI RS 3 Mini is designed for smooth, stabilized footage.

7.1 Power On/Off

Press and hold the power button on the gimbal to turn it on or off. Ensure the camera is securely mounted and balanced before powering on.

7.2 Gimbal Modes

The gimbal offers various operating modes (e.g., Pan Follow, Tilt Lock, FPV) accessible via the mode button. Refer to the DJI RS 3 Mini user manual for detailed explanations and controls for each mode.

7.3 Camera Control

Once connected via the Multi-Camera Control USB-C Cable, you can control certain camera functions (e.g., record start/stop, photo capture) directly from the gimbal's controls.

8. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your camera and gimbal.

- **Cleaning:** Use a soft, lint-free cloth to clean the camera body and gimbal. For lenses, use a specialized lens cleaning solution and cloth. Avoid harsh chemicals.
- **Battery Care:** Store batteries in a cool, dry place. Do not expose them to extreme temperatures. Fully charge batteries before extended storage and periodically recharge them to prevent deep discharge.
- **Firmware Updates:** Periodically check the Sony and DJI websites for firmware updates for your camera and gimbal. Updates can improve performance and add new features.
- **Storage:** When not in use, store the camera and gimbal in the provided photography backpack or a dry, dust-free environment.

9. TROUBLESHOOTING

This section addresses common issues you might encounter.

Problem	Possible Cause	Solution
Camera does not power on.	Battery is depleted or incorrectly inserted.	Charge the battery fully and ensure it is inserted correctly.
Images are blurry.	Incorrect focus, camera shake, or dirty lens.	Check autofocus settings, use a faster shutter speed, or clean the lens.
Gimbal is unstable.	Improper balancing or incorrect payload.	Re-balance the gimbal with the camera mounted. Ensure camera weight is within gimbal's supported range.
Cannot transfer files via Wi-Fi.	Incorrect Wi-Fi settings or app not connected.	Ensure Wi-Fi is enabled on both devices and the Imaging Edge Mobile app is correctly connected.

10. SPECIFICATIONS

Key technical specifications for the Sony a6400 camera body.

- **Image Sensor:** 24.2 MP APS-C Exmor CMOS

- **Image Processor:** BIONZ X
- **Autofocus:** 425 Phase-detection and Contrast-detection AF points
- **AF Acquisition Speed:** 0.02 seconds
- **ISO Range:** 100-32000 (Expanded: 102400)
- **Continuous Shooting:** Up to 11 fps (mechanical shutter) / 8 fps (silent shooting)
- **Video Resolution:** 4K (2160p) with full pixel readout, 1080p
- **Display:** 3-inch 921,600-dot Tilting LCD Touch Screen
- **Viewfinder:** Electronic (XGA OLED Tru-Finder)
- **Connectivity:** Wi-Fi, NFC, USB
- **Lens Mount:** Sony E-mount
- **Gimbal Payload:** Up to 4.4 lbs (DJI RS 3 Mini)

11. WARRANTY AND SUPPORT

Your Sony a6400 camera body is covered by a Sony USA Authorized Warranty. For specific warranty details, please refer to the warranty card included in your package or visit the official Sony support website.
For technical support, troubleshooting, or service inquiries regarding the Sony a6400 camera, please visit the official Sony support website: www.sony.com/electronics/support
For support related to the DJI RS 3 Mini Gimbal, please visit the official DJI support website www.dji.com/support