DJI 6941565974662

DJI RS 4 Gimbal Stabilizer

Instruction Manual

This manual provides essential information for the safe and effective use of your DJI RS 4 gimbal stabilizer.

Product Overview

The DJI RS 4 is a professional-grade 3-axis gimbal stabilizer designed for DSLR and mirrorless cameras. It offers advanced stabilization, intuitive controls, and a robust design to help capture smooth, dynamic footage. Compatible with a wide range of camera and lens combinations, the RS 4 is an ideal tool for content creators seeking precision and efficiency.
Key features include:

- **2nd-Gen Native Vertical Shooting:** Effortlessly switch between horizontal and vertical shooting without additional accessories.
- **Joystick Mode Switch:** Quickly toggle between PF, PTF, and FPV modes for versatile gimbal control.
- **Teflon-Coated Axis Arms:** Ensures smoother balancing and reduced friction across all three axes.
- **3kg (6.6lbs) Payload Capacity:** Supports mainstream mirrorless camera and lens combinations with an extended tilt axis.
- **RSA Communication Port:** Allows for connection of various accessories for expanded control.
- **High-Capacity Battery Grip:** Extends operational time significantly for prolonged shooting sessions.



Figure 1: The DJI RS 4 Gimbal Stabilizer with a camera attached, showcasing its compact design and integrated tripod.

What's in the Box

The DJI RS 4 package includes the following components:

- Gimbal x1
- BG21 Battery Grip x1
- Quick-Release Plate (Arca-Swiss/Manfrotto) x1
- Extended Grip/Tripod (Plastic) x1
- Lens-Fastening Support x1
- Multi-Camera Control Cable (USB-C, 30 cm) x1
- USB-C Charging Cable (40 cm) x1
- Screw Kit x1



Figure 2: All components included in the DJI RS 4 standard package.

Setup and Balancing

Proper setup and balancing are crucial for optimal performance of your DJI RS 4. Follow these steps for initial configuration:

1. **Attach Battery Grip:** Securely attach the BG21 Battery Grip to the main gimbal body.
2. **Mount Quick-Release Plate:** Attach the quick-release plate to your camera's tripod socket.
3. **Mount Camera:** Slide the camera with the quick-release plate onto the gimbal's mounting base.
4. **Balance Gimbal:** Unlock all three axes (pan, tilt, roll) and carefully balance your camera setup. The Teflon-coated axis arms facilitate smoother adjustments. Ensure the camera remains level in all orientations.
5. **Automated Axis Locks:** The DJI RS 4 features 2nd-Gen Automated Axis Locks, allowing the gimbal to quickly prepare for shooting or enter sleep mode for efficient transitions and storage.

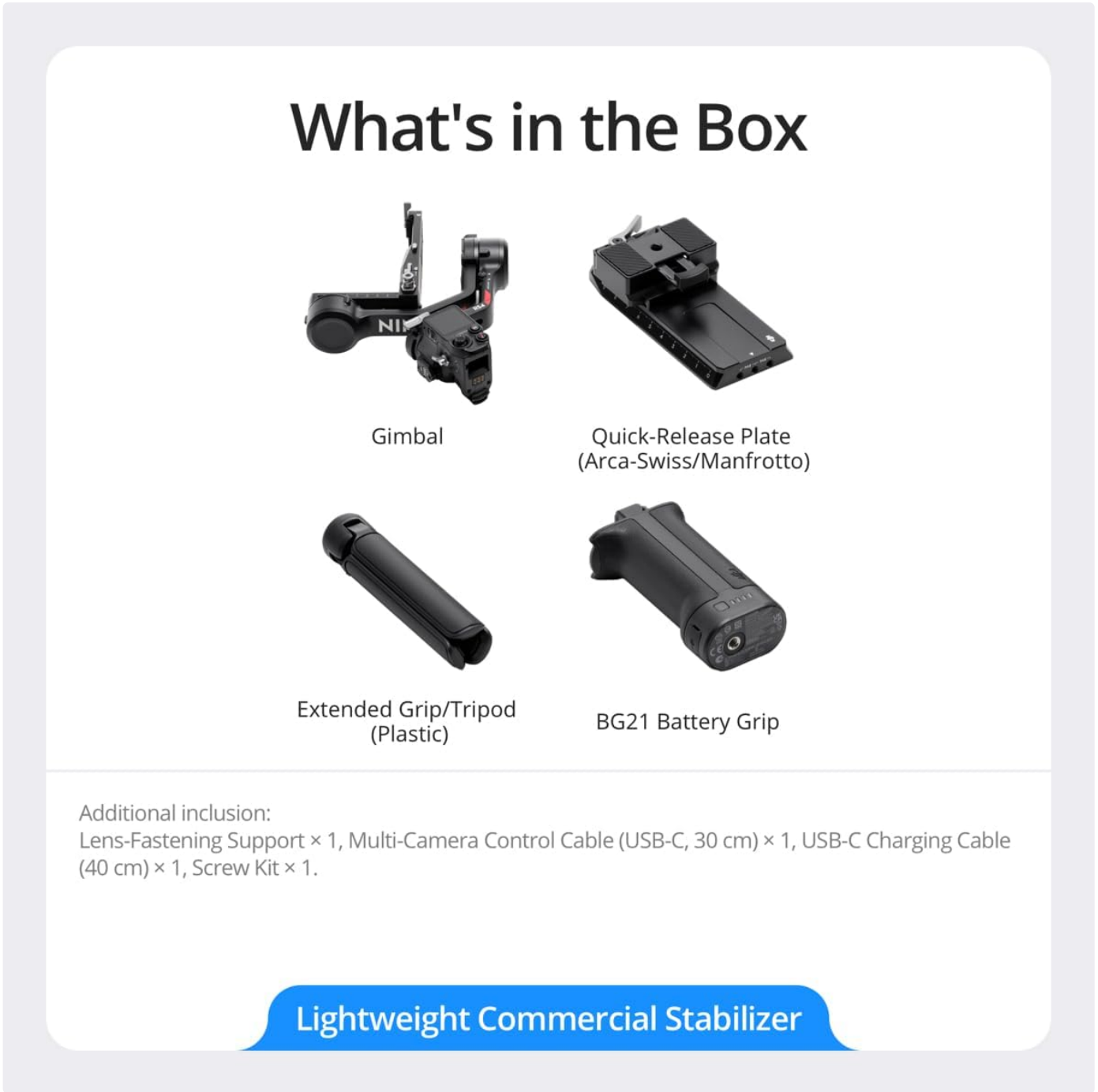


Figure 3: A user performing the balancing procedure on the DJI RS 4 with a camera mounted.

Video 1: Demonstration of the DJI RS 4's 2nd-Gen Automated Axis Locks feature, showing quick setup and transition capabilities.

Operating Instructions

The DJI RS 4 offers various operating modes and controls for diverse shooting scenarios:

- **Joystick Mode Switch:** Utilize the integrated joystick to switch between Pan Follow (PF), Pan and Tilt Follow (PTF), and First Person View (FPV) modes. This allows for quick adaptation to different shot requirements.

Which is the Best for You?

	 DJI RS 4 PRO	Currently browsing  DJI RS 4
Tested Payload	4.5 kg (10 lbs)	3 kg (6.6 lbs)
Axis Locks	2nd-Gen Automated Axis Locks	2nd-Gen Automated Axis Locks
Axis Arm Material	Carbon Fiber Teflon™ Coating	Aluminum Alloy Teflon™ Coating
RS Stabilization Algorithm	4th-Gen	4th-Gen
Horizontal and Vertical Switching	Native Support	Native Support
Battery Runtime [1]	Max 29 hours	Max 29.5 hours
Expansion Port	RSA Port × 2 NATO Port × 2 Charging Adapter Port × 1	RSA Port × 1 NATO Port × 2 Charging Adapter Port × 1

1. Both DJI RS 4 Pro and DJI RS 4 require the DJI RS BG70 High-Capacity Battery Grip for the corresponding battery runtime. DJI RS BG70 High-Capacity Battery Grip is sold separately. Data was measured in a controlled environment. Actual experience may vary depending on the environment, usage, and firmware version. For details, please refer to the product page on the official DJI website.

Figure 4: The joystick and mode switch on the DJI RS 4 handle for precise control.

- **Teflon-Coated Axis Arms:** The smooth coating on the axis arms ensures fluid movement and precise balancing, even with heavier camera setups.



Figure 5: Detail of the Teflon-coated axis arms, designed for reduced friction and smoother operation.

- **Payload Capacity:** The RS 4 supports a payload of up to 3kg (6.6lbs), accommodating a wide range of mirrorless cameras and lenses. The extended tilt axis provides additional balancing space.



Figure 6: The DJI RS 4 handling a substantial camera and lens combination, highlighting its payload capabilities.

- **RSA Communication Port:** This port allows for the connection of various accessories, such as the DJI RS Tethered Control Handle or third-party accessories, expanding the gimbal's versatility.



Figure 7: The RSA Communication Port, enabling expanded control and accessory integration.

- **Battery Life:** The BG21 Battery Grip provides an extended runtime of up to 29.5 hours, ensuring long shooting sessions without interruption.

Maintenance and Care

To ensure the longevity and optimal performance of your DJI RS 4, follow these maintenance guidelines:

- **Cleaning:** Regularly wipe the gimbal with a soft, dry cloth. Avoid using harsh chemicals or abrasive materials.
- **Storage:** Store the gimbal in a dry, dust-free environment. Utilize the automated axis locks to secure the gimbal arms during transport and storage.
- **Firmware Updates:** Periodically check the official DJI website for firmware updates to ensure your gimbal has the

latest features and performance enhancements.

- **DJI Ronin App:** Due to platform compatibility issues, the DJI Ronin app is no longer available on Google Play. For the best user experience, please download the latest version directly from the official DJI website.

Troubleshooting

If you encounter issues with your DJI RS 4, consider the following common solutions:

- **Balancing Issues:** If the gimbal is not stable, ensure all axes are properly balanced. Rebalancing may be required after switching between horizontal and vertical shooting modes.
- **Gimbal Entering Sleep Mode Unexpectedly:** Some users have reported instances of the gimbal motors entering sleep mode. If this occurs, try restarting the gimbal. If the issue persists, contact DJI Support for further assistance as this may indicate a hardware concern.
- **App Connectivity:** Ensure you have downloaded the DJI Ronin app from the official DJI website, as it is no longer available on Google Play. Check your device's Bluetooth settings and ensure the gimbal is discoverable.
- **Motor Overload:** Ensure your camera and lens combination does not exceed the 3kg (6.6lbs) payload capacity. Remove any unnecessary accessories that might be adding excessive weight.

Technical Specifications

Feature	Specification
Product Dimensions	14.57 x 7.52 x 7.44 inches
Item Weight	3.41 pounds (1.55 Kilograms)
Item Model Number	6941565974662
Batteries	1 C battery required (included)
Maximum Weight Recommendation	3 Kilograms (6.6 lbs)
Folded Size	24.5×25.5×7.5 cm
Color	Black
UPC	190021099760

Warranty and Support

For warranty information, technical support, and the latest software updates, please visit the official DJI website. You can

also find additional user guides and safety information there.
Consider purchasing a protection plan for extended coverage:

- 2-Year Protection Plan: $49.99
- 3-Year Protection Plan: $64.99
- Complete Protect: $16.99/month (covers all eligible past and future purchases)

For detailed user guides, you may also refer to theSafety Information (PDF), User Manual (PDF), and User Guide (PDF) available online.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question