

DJI Focus Gear Strip

DJI Focus Gear Strip Instruction Manual

Model: Focus Gear Strip

1. INTRODUCTION AND OVERVIEW

The DJI Focus Gear Strip is designed to work with the DJI Ronin Focus Motor, enabling precise control over a camera lens's focus ring. This accessory facilitates smooth and accurate focusing, crucial for professional videography and photography. It is compatible with a wide range of commercially available lenses, and its length can be adjusted to fit various lens diameters.

This manual provides essential information for the proper setup, operation, and maintenance of your Focus Gear Strip to ensure optimal performance and longevity.

2. SETUP

The DJI Focus Gear Strip is designed for easy installation on most camera lenses. Ensure your lens is clean and free of debris before attachment.

- Attaching to the Lens:** Wrap the Focus Gear Strip around the focus ring of your camera lens. Ensure a snug fit without excessive tension. The strip's length is adjustable; trim any excess if necessary, ensuring enough overlap for secure fastening.
- Securing the Strip:** Use the provided fastening mechanism (e.g., buckle or adhesive) to secure the ends of the gear strip together, forming a continuous ring around the lens focus ring. The gear teeth should face outwards.
- Aligning with Focus Motor:** Mount your camera and lens onto the DJI Ronin gimbal. Position the DJI Ronin Focus Motor so its gear engages smoothly with the teeth of the Focus Gear Strip. Ensure there is no binding or excessive play between the gears.
- Testing Movement:** Manually rotate the focus motor's gear or use the gimbal's control interface to test the focus adjustment. The lens focus ring should turn smoothly without slippage or obstruction.

What's in the Box



Additional inclusion:

Lens-Fastening Support (Extended) × 1, Multi-Camera Control Cable (USB-C, 30 cm) × 2, USB-C Charging Cable (40 cm) × 1, Screw Kit × 1, Carrying Case × 1, USB-C Power Cable (20 cm) × 1, Mini-HDMI to Mini-HDMI Cable (20 cm) × 1, Mini-HDMI to HDMI Cable (20 cm) × 1, Mini-HDMI to Micro-HDMI Cable (20 cm) × 1, Focus Pro Motor Rod Mount Kit × 1, Focus Gear Strip × 1, Lower Quick-Release Plate (Extended) × 1, Phone Holder × 1.

Seamless Stabilization, Transmission, and Control

Figure 2.1: Components included in the box, illustrating the Focus Pro Motor and the Focus Gear Strip (listed as an additional inclusion).

3. OPERATING

Once installed, the DJI Focus Gear Strip allows the DJI Ronin Focus Motor to control your lens's focus. Operation is typically performed via the Ronin gimbal's control wheel or a connected remote controller.

1. **Power On:** Ensure the DJI Ronin gimbal and Focus Motor are powered on and properly connected.
2. **Calibration:** Perform a motor calibration through the DJI Ronin app or gimbal interface. This calibrates the motor's travel range to the lens's focus throw.
3. **Adjusting Focus:** Use the dedicated focus wheel on your Ronin gimbal or remote controller to adjust the lens focus. Rotate the wheel clockwise or counter-clockwise to shift focus closer or further, respectively.
4. **Precision Control:** The gear strip provides a direct mechanical link, ensuring precise and repeatable focus pulls. Practice smooth movements for cinematic results.

Supports Dual Focus & Zoom Motors With Remote Control



Figure 3.1: Illustrates the integration of focus and zoom motors with a camera lens on a gimbal, enabling precision focusing and zooming.

4. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your DJI Focus Gear Strip.

- **Cleaning:** Periodically inspect the gear teeth for dust, dirt, or debris. Use a soft, dry brush or a lint-free cloth to gently clean the teeth. Avoid using harsh chemicals or abrasive materials.
- **Inspection:** Check the gear strip for any signs of wear, tears, or damage. Ensure it remains securely fastened around the lens focus ring. If the strip shows significant wear or damage, replace it to prevent slippage or damage to the focus motor.
- **Storage:** When not in use, store the Focus Gear Strip in a clean, dry environment, away from direct sunlight and extreme temperatures.

5. TROUBLESHOOTING

If you encounter issues with your DJI Focus Gear Strip, refer to the following troubleshooting steps.

Issue: Focus Motor is Slipping or Not Engaging Properly.

- **Solution 1: Check Installation.** Ensure the Focus Gear Strip is tightly secured around the lens focus ring and that its teeth are fully engaged with the focus motor's gear. Re-adjust if necessary.
- **Solution 2: Inspect for Wear.** Examine the teeth of both the Focus Gear Strip and the Focus Motor for wear or damage. Worn teeth can lead to slippage. Replace the gear strip if significant wear is observed.
- **Solution 3: Clean Components.** Dust or debris between the gears can cause slippage. Clean both the gear strip and the motor gear as described in the Maintenance section.

Issue: Focus Movement is Stiff or Uneven.

- **Solution 1: Check Alignment.** Ensure the focus motor is perfectly aligned with the gear strip, and there is no binding. Adjust the motor's position on the gimbal if needed.
- **Solution 2: Lens Condition.** Verify that the lens focus ring itself moves smoothly without resistance. If the lens focus ring is stiff, it may affect the motor's performance.

6. SPECIFICATIONS

Brand	DJI
Model	Focus Gear Strip
Color	Black
Compatible Devices	Camera lenses (for use with DJI Ronin Focus Motor)
Product Weight	Approximately 22.68 grams (0.05 pounds)
UPC	190021326965
GTIN (Global Trade Identification Number)	06958265180828

7. WARRANTY AND SUPPORT

For detailed warranty information, technical support, and service inquiries, please refer to the official DJI website or contact DJI customer service directly. It is recommended to keep your purchase receipt as proof of purchase for any warranty claims.

You can find more information and support resources on the official DJI website: www.dji.com/support