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- › [Cane Creek](#) /
- › [Cane Creek eeBrakes G4 Caliper Brake Instruction Manual](#)

Cane Creek CKG-BKEERM-R-G4

Cane Creek eeBrakes G4 Caliper Brake Instruction Manual

Model: CKG-BKEERM-R-G4

INTRODUCTION

This manual provides essential information for the proper setup, operation, and maintenance of your Cane Creek eeBrakes G4 Caliper Brake. Designed for high performance, the eeBrakes G4 features 100% CNC machined parts, an optimized design for wider rims, and advanced cable management for superior braking power and modulation. Please read these instructions carefully before installation and use to ensure safety and optimal performance.

PRODUCT OVERVIEW



A detailed view of the Cane Creek eeBrakes G4 Caliper Brake, showcasing its black finish, intricate CNC machined components, and the unique cable routing system. The brake features a robust design with visible adjustment mechanisms and brake pads.

The eeBrakes G4 represents the fourth generation of this acclaimed caliper brake. Key enhancements include:

- **100% CNC Machined Parts:** Ensures precision, durability, and lightweight construction.
- **Wider Design Optimization:** Specifically engineered for 22mm to 28mm rims, accommodating modern wheelsets.
- **Stiffer Black Arch Spring:** Provides improved responsiveness and consistent braking feel.
- **Revised One-Piece Center Adjuster:** Features integrated resistance for easier and more precise cable tension adjustments.
- **Crossover Cable Path:** Aligns the brake cable over the center of the brake, offering a sleek aesthetic and aerodynamic advantage by moving cables into the frame's 'wind shadow'.
- **Tool-less Adjustability:** Patented Link pad travel metering system allows for super-precision and consistency of pad movement without the need for tools.
- **Lever Compatibility:** Optimized to work seamlessly with Shimano, SRAM, and Campagnolo levers.

SETUP AND INSTALLATION

Proper installation is crucial for the safety and performance of your eeBrakes G4. If you are unsure about any step, consult a professional bicycle mechanic.

- Mounting:** Securely mount the eeBrakes G4 to your bicycle's rear brake mount. Ensure all mounting bolts are tightened to the manufacturer's specified torque settings.
- Cable Routing:** Route the brake cable through the crossover cable path. This unique design ensures optimal cable alignment during brake actuation, reducing friction and increasing power.
- Cable Tension Adjustment:** Use the revised one-piece center adjuster to set initial cable tension. The integrated resistance in the adjuster facilitates precise adjustments.
- Pad Alignment:** Position the brake pads so they are parallel to the rim surface and make full contact when the brake is applied. The tool-less adjustability via the Link pad travel metering system allows for fine-tuning pad movement.
- Lever Compatibility Check:** Confirm that your brake levers (Shimano, SRAM, or Campagnolo) are compatible and provide the correct cable pull for optimal brake performance.
- Final Checks:** Before riding, ensure that the brake operates smoothly, returns freely, and provides adequate stopping power. Check for any cable fraying or loose components.

OPERATING INSTRUCTIONS

The eeBrakes G4 are designed for precise and powerful braking. Understanding their operation will enhance your riding experience.

- Brake Actuation:** When the brake lever is squeezed, the adjuster pivots, optimizing cable alignment. This reduces friction and translates into increased braking power at the rim.
- Modulation:** The design allows for excellent modulation, providing a wide range of braking power from light feathering to full stopping force. Practice to familiarize yourself with the brake's feel.
- Pad Wear:** Regularly inspect brake pads for wear. The Link pad travel metering system helps maintain consistent pad movement as pads wear down, but worn pads should be replaced promptly.

MAINTENANCE

Regular maintenance will prolong the life and ensure the consistent performance of your eeBrakes G4.

- Cleaning:** Keep the brake calipers clean, especially around the pivots and pad areas. Use a soft cloth and mild detergent if necessary. Avoid harsh chemicals that could damage finishes or components.
- Inspection:** Periodically inspect all bolts for tightness, especially after the first few rides. Check the brake cable for fraying or corrosion and replace if necessary.
- Pad Replacement:** Replace brake pads when they show significant wear or hardening. Ensure replacement pads are compatible with your rims (e.g., carbon-specific pads for carbon rims).
- Lubrication:** Lightly lubricate pivot points with a suitable bicycle lubricant as needed, ensuring not to get lubricant on the brake pads or rim braking surface.

TROUBLESHOOTING

Here are some common issues and their potential solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Brake feels spongy or lacks power	Insufficient cable tension, worn pads, contaminated pads/rims	Increase cable tension using the center adjuster. Inspect and replace worn pads. Clean pads and rim braking surfaces.
Brake pads rub on rim	Incorrect pad alignment, excessive cable tension, caliper not centered	Re-align pads using tool-less adjustability. Reduce cable tension. Center the caliper on the brake mount.
Brake lever does not return fully	Friction in cable housing, dirty pivots, damaged spring	Check cable housing for kinks or debris; replace if necessary. Clean and lubricate pivot points. Inspect spring for damage.
Squealing noise during braking	Contaminated pads/rims, misaligned pads, worn pads	Clean pads and rim braking surfaces. Re-align pads. Replace worn pads.

SPECIFICATIONS

- **Model:** eeBrakes G4 Caliper Brake
- **Part Number:** CKG-BKEERM-R-G4
- **Color:** Black
- **Mount Type:** Regular Mount (Rear)
- **Rim Compatibility:** Optimized for 22mm - 28mm rims
- **Lever Compatibility:** Shimano, SRAM, Campagnolo
- **Item Dimensions (LxWxH):** 5.5 x 5 x 4.5 inches
- **Item Weight:** 0.4 Kilograms
- **Package Dimensions (LxWxH):** 12.4 x 9.09 x 8.7 inches
- **Package Weight:** 0.4 Kilograms
- **ASIN:** B07DX9TNPL
- **Date First Available:** June 21, 2018

WARRANTY AND SUPPORT

For detailed warranty information and customer support, please refer to the official Cane Creek website or contact their customer service directly. Keep your proof of purchase for any warranty claims.

Cane Creek Website: www.canecreek.com