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### Kugookirin G2-800W/48V/15Ah

# KUKIRIN G4/G2 Electric Scooter User Manual

Model: G2-800W/48V/15Ah

## INTRODUCTION

This manual provides essential information for the safe operation, maintenance, and troubleshooting of your KUKIRIN G4/G2 Electric Scooter. Please read this manual thoroughly before your first ride to ensure optimal performance and safety.



Figure 1: KUKIRIN G2 Electric Scooter, showcasing its robust design and off-road tires.

## SAFETY INFORMATION

Your safety is paramount. Always adhere to local laws and regulations regarding electric scooter usage. The following precautions are critical:



Figure 2: Important safety precautions for operating the electric scooter.

1. Please wear helmets and other safety protective equipment at all times when riding, and drive safely in accordance with local laws and regulations.
2. Medium-speed range: Measured at full power, 65kg load, 5-25°C, tire pressure 40-45psi, driving at a constant speed on a flat, hardened road in second gear. Actual range varies depending on weight, temperature, road conditions.
3. Above data from KuKirin laboratory. In actual use, it will vary due to driving habits, terrain, temperature and other factors.
4. It is recommended that the electric scooter be used only on flat hard surfaces, avoiding obstacles and roads that are not easy to ride (including, but not limited to, slippery surfaces, loose sand, gravel surfaces and ice). If you encounter speed bumps, potholes, and other extraordinary surfaces in actual use, do not pass at high speeds, keep the speed low to medium (5-10km/h), and bend your knees a little to better adapt to the above complex road surfaces.
5. If riding at night or in low-light conditions, make sure your scooter has turned on the front and rear lights and wear reflective clothing for better visibility.

## PRODUCT OVERVIEW AND KEY FEATURES

The KUKIRIN G2 Electric Scooter is designed for both urban commuting and off-road adventures, featuring a

powerful motor, robust construction, and advanced safety features.

- **High Performance Motor:** Equipped with an 800-watt brushless motor, capable of reaching speeds up to 28 mph.
- **Extended Range Battery:** Features a 48V/15AH Li-Ion battery, providing a range of up to 34 miles on a single charge.
- **Enhanced Comfort:** 10-inch off-road vacuum tires and a front and rear spring damping system ensure a smooth ride.
- **Advanced Safety Lighting:** A 7-lighting system including a bright headlight, 4 turn signals, 1 taillight, and 1 brake light for visibility.
- **Smart Display:** An HD smart display monitors speed, battery life, and other vital information in real-time.
- **Portability:** Foldable design, weighing only 51 lbs, with a maximum weight capacity of 264 lbs.



800W  
Powerful motor



20°  
Uphill Climb



28MPH  
Top Speed



3  
Speed Modes



IP54  
Waterproof Rating

Figure 3: High-performance 800W motor with multiple speed modes.

# LONG BATTERY LIFE



**34 Miles**  
Max Range

**20%**  
Max Slope

**8-9H**  
Charging Time

Figure 4: Long-lasting 48V/15AH battery for extended range.



# MULTI DAMPING SYSTEM

Effectively cushions  
bumps in complex terrain

- ✓ Front wheel spring damping
- ✓ Rear wheel suspension damping
- ✓ 10" off-road shock absorbing tires



Figure 5: Multi-damping system with spring and suspension for comfort.

# 7 LIGHT SYSTEMS

All-round guarding your driving safety



1 headlight  
(60° illumination angle)

4 Turn signal  
(2 turn signals in each front and rear)

1 taillight

1 brake light



Figure 6: Comprehensive 7-light system for enhanced visibility.

## SETUP

The KUKIRIN G2 Electric Scooter comes mostly pre-assembled. Follow these steps to complete the setup:

1. **Unboxing:** Carefully remove the scooter and all components from the packaging. It is recommended to have assistance due to the weight.
2. **Handlebar Assembly:** Attach the handlebar to the stem using the provided screws and tools. Ensure it is securely fastened.
3. **Rear Fender Attachment:** Secure the rear fender using the two screws provided.
4. **Initial Charge:** Fully charge the scooter's battery before first use. The charger indicator will change when fully charged.
5. **Tire Pressure Check:** Verify that the tire pressure is within the recommended range (40-45psi).

6. **Joints and Screws Inspection:** Inspect all joints and screws for tightness. It is recommended to re-check these after the first 50-100 km of riding.

Your browser does not support the video tag.

*Video 1: Official unboxing and initial setup guide for the Kukirin G2 Electric Scooter. This video demonstrates the process of removing the scooter from its packaging and attaching the handlebar and rear fender.*

Your browser does not support the video tag.

*Video 2: A showcase of the Kukirin G2, highlighting its features and ease of assembly. This video provides a visual overview of the scooter's components and how they fit together.*

## OPERATING INSTRUCTIONS

Familiarize yourself with the controls and riding modes for a safe and enjoyable experience.

### Speed Modes

The scooter offers three different speed modes to suit various riding conditions and conserve battery life:

- **Mode 1 (Eco):** Ideal for maximum range and casual riding.
- **Mode 2 (Sport):** Balanced performance for daily commuting.
- **Mode 3 (Race):** Full power for maximum speed and acceleration.

Switch between modes using the controls on the handlebar. The smart display will show your current speed mode.

### Starting and Riding

1. Power on the scooter using the power button on the display.
2. Select your desired speed mode.
3. Place one foot on the deck and push off with the other foot to gain initial momentum.
4. Gently press the throttle to accelerate.
5. To brake, release the throttle and use the brake levers.



*Figure 7: Rider demonstrating proper stance and control on the Kukirin G2.*

## **PERFORMANCE**

The KUKIRIN G2 is engineered for powerful and efficient performance across various terrains.

### **Motor and Speed**

The 800W brushless motor provides strong acceleration and a top speed of 28 mph (45 km/h). The scooter is designed to handle inclines of up to 20% grade.

### **Battery and Range**

The 48V/15AH lithium-ion battery offers an impressive range of up to 34 miles (55 km) on a single charge, depending on riding conditions, rider weight, and terrain. Charging time is approximately 8-9 hours.

# 800W POWERFUL MOTOR



Max Speed  
**28 MPH**



Slope  
**15°-20°**

Figure 8: Detailed view of the 800W motor and its performance capabilities.

## COMFORT & SUSPENSION

Experience a smooth ride even on uneven surfaces thanks to the advanced suspension system and robust tires. The scooter features a multi-damping system with both front wheel spring damping and rear wheel suspension damping. Coupled with 10-inch off-road vacuum tires, it effectively cushions bumps in complex terrain, providing a comfortable ride.

# 10-INCH OFF-ROAD VACUUM TIRES

Stab Proof



Speed bumps



Forest



Snowfield



Desert

Figure 9: The 10-inch off-road vacuum tires are designed for various terrains, including speed bumps, forests, snowfields, and deserts.

## TIRES & BRAKES

The KUKIRIN G2 is equipped with reliable braking and durable tires for safety and control.

It features dual disc brakes (front and rear) for strong stopping power, complemented by a power-off brake system for emergency situations. The 10-inch off-road vacuum tires are designed to be stab-proof, offering durability and traction on various surfaces.



# MULTI DAMPING SYSTEM

Effectively cushions bumps in complex terrain

- ✓ Front wheel spring damping
- ✓ Rear wheel suspension damping
- ✓ 10" off-road shock absorbing tires



Figure 10: The scooter features both front and rear disc brakes for reliable stopping power.

## PORTABILITY & FOLDING

The KUKIRIN G2 is designed for convenience, allowing for easy folding and transport.

The scooter features a foldable design, making it convenient for storage and transport. It weighs approximately 51 lbs (23 kg) and can be easily carried or stored in a car trunk (may require lowering back seats for smaller vehicles).



Figure 11: Product dimensions showing expanded and folded sizes for easy transport.



Figure 12: The scooter's foldable design allows for convenient storage in a car trunk.

## LIGHTS & CONTROLS

The KUKIRIN G2 is equipped with a comprehensive lighting system and intuitive controls for safe operation.

The scooter features a 7-lighting system for all-round visibility, including a bright headlight (60° illumination angle), four turn signals (two in front and two in rear), a taillight, and a brake light. The HD smart display provides real-time information on speed, battery life, and other important metrics.



Figure 13: Overview of the 7-light system, ensuring visibility from all angles.

The handlebar is adjustable in height and features foldable grips for compact storage. Controls for lights, speed modes, and throttle are conveniently located for easy access during rides.

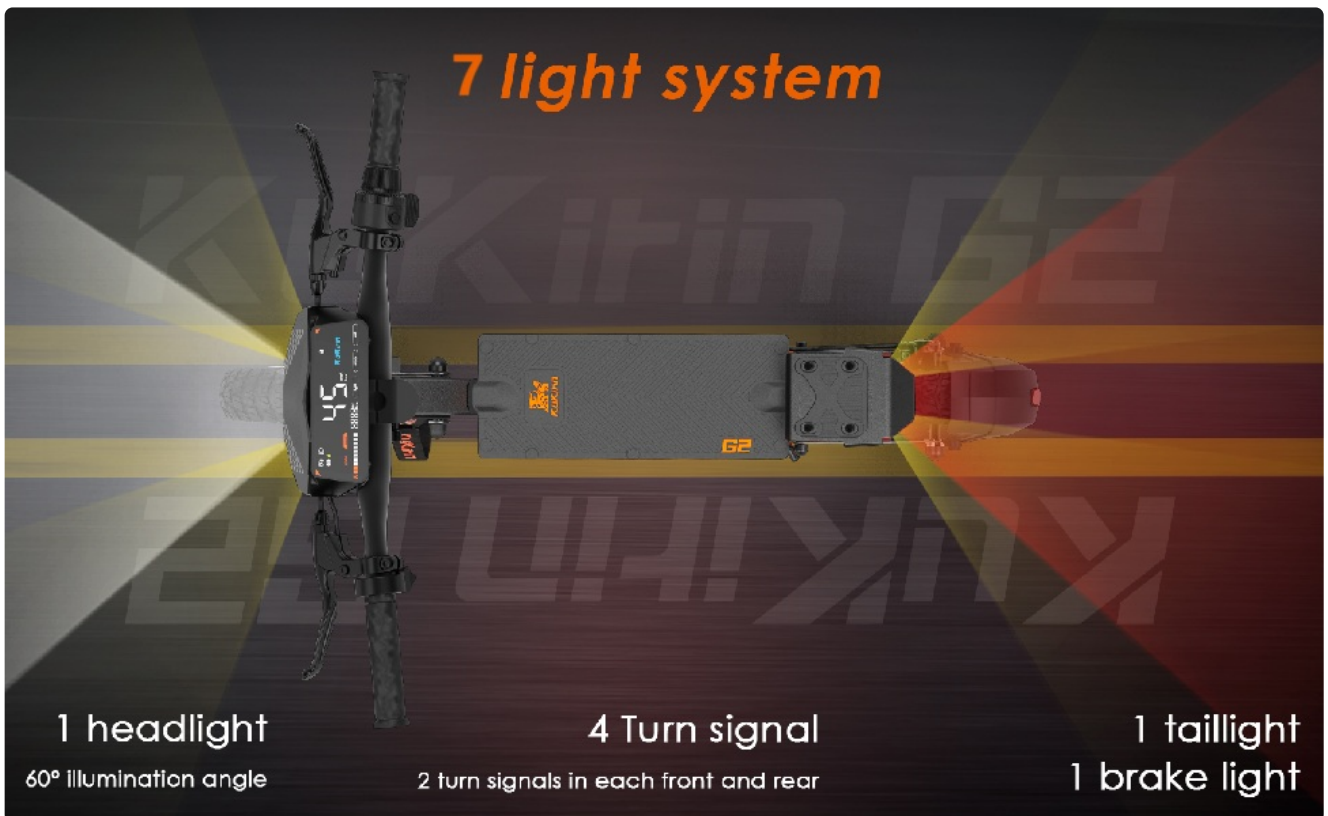


Figure 14: The scooter features an extra-long pedal (460mm x 185mm) for comfortable riding.

## MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your KUKIRIN G2 Electric Scooter.

- **Battery Care:** Always fully charge the battery after each use. Avoid completely draining the battery to prolong its lifespan. Store the scooter in a cool, dry place when not in use.
- **Tire Maintenance:** Regularly check tire pressure and inflate to the recommended 40-45psi. Inspect tires for wear and tear, and replace if necessary.
- **Brake Inspection:** Periodically check the brake pads and discs for wear. Ensure brake levers operate smoothly and provide adequate stopping power. Adjust or replace components as needed.
- **General Cleaning:** Clean the scooter regularly with a damp cloth. Avoid using high-pressure water or harsh chemicals that could damage electronic components.
- **Screw and Joint Check:** Regularly inspect all screws and folding mechanisms to ensure they are tight and secure. Loose components can affect performance and safety.

## TROUBLESHOOTING

This section addresses common issues you might encounter with your KUKIRIN G2 Electric Scooter.

| Problem                     | Possible Cause  | Solution  |
|-----------------------------|---|---|
| Scooter does not power on.  | Low battery, loose connections, power button issue.                                 | Charge the battery. Check all cable connections. Contact customer support if issue persists.  |
| "E1" error code on display. | Battery or Hall sensor issue (as per user reviews).                                 | Ensure charger is properly connected and functioning (red light indicates charging). If the issue persists after charging, contact customer support for diagnosis and repair. |
| Reduced range or speed.     | Low tire pressure, heavy load, riding uphill, cold weather, aggressive riding mode. | Check tire pressure. Reduce load. Use appropriate speed mode. Battery performance may decrease in cold weather.   |
| Brakes squeak or feel weak. | Worn brake pads, dirty discs, loose brake cables.                                   | Clean brake discs. Inspect and replace worn brake pads. Adjust brake cable tension.   |

## SPECIFICATIONS

| Feature | Specification |
|---------|---------------|
| Brand   | Kugookirin    |

| Feature                    | Specification               |
|----------------------------|-----------------------------|
| Model Name                 | Kukirin G2 Electric Scooter |
| Color                      | G2-800W/48V/15Ah            |
| Age Range (Description)    | Adult                       |
| Special Feature            | Foldable                    |
| Weight Limit               | 264 Pounds                  |
| Product Dimensions (LxWxH) | 46.7"L x 24.4"W x 51.7"H    |
| Number of Wheels           | 2                           |
| Wheel Material             | Rubber                      |
| Frame Material             | Aluminum                    |
| Handlebar Type             | Adjustable                  |
| Wheel Size                 | 10 Inches                   |
| Wheel Type                 | Pneumatic                   |
| Suspension Type            | Dual Suspension             |
| Brake Style                | Disc Brake                  |
| Charging Time              | 8 Hours                     |
| Maximum Distance Range     | 34 Miles                    |

## WARRANTY & SUPPORT

Kugookirin G2 has passed UL safety test and comes with a warranty for different parts of the scooter.

- **Warranty Period:** 6 or 12 months warranty for different parts of the scooter. (Specific details may vary, refer to purchase documentation).
- **Customer Service:** 24-hour after-sales technical service is available. You can contact Kugookirin Direct anytime if you have any questions or require technical assistance.

For further assistance, please visit the [Kugookirin Store on Amazon](#).

