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Hiboy KS4 Pro

Hiboy KS4 Pro Electric Scooter User Manual

Model: KS4 Pro

1. INTRODUCTION

Thank you for choosing the Hiboy KS4 Pro Electric Scooter. This manual provides essential information for the safe operation, assembly, and maintenance of your scooter. Please read it thoroughly before your first ride to ensure optimal performance and safety.

PERFECT FOR CITY TRAVEL



Speeds up
to 19MPH*



15%
Uphill Climb



25 Mile
Max Range

*Top speed may vary depending on conditions such as rider weight, riding style, terrain texture and gradient.

Figure 1.1: Hiboy KS4 Pro Electric Scooter in use for city travel.

2. SAFETY INFORMATION

Your safety is paramount. Always wear a helmet and appropriate protective gear when riding. Adhere to all local traffic laws and regulations. The Hiboy KS4 Pro is UL 2272 certified, ensuring compliance with electrical safety standards.

Important Safety Warnings:

- **Age and Weight Limit:** This scooter is designed for adults. The maximum weight limit is 220 pounds (100 kg).
- **Environmental Conditions:** Do not charge the scooter in environments below 0 degrees Celsius

or above 60 degrees Celsius. Unplug the charger when not in use.

- **Traffic Laws:** Always be aware of and follow local traffic rules. For example, a traffic notice for New York State indicates that electric scooters cannot be ridden on sidewalks or highways where traffic exceeds 30 MPH, unless otherwise permitted by local laws. Consult local regulations for specific conditions.
- **Riding Surface:** Avoid riding on dirt, mud, or water. The scooter has an IPX4 water-resistant rating, meaning it is protected against splashing water from any direction, but it is not waterproof.
- **Braking:** Familiarize yourself with the dual braking system (electronic and rear disc brake) for effective stopping.



Figure 2.1: Safety labels and charging precautions.

3. PACKAGE CONTENTS

Ensure all items are present and in good condition upon unpacking. If any items are missing or damaged, please contact customer support.

- Hiboy KS4 Pro Electric Scooter
- User Manual (this document)

- Power Adapter/Charger
- Phone Holder (may vary by package)

4. ASSEMBLY

The Hiboy KS4 Pro Electric Scooter comes mostly pre-assembled. Follow these steps to complete the setup:

1. **Unfold the Scooter:** Carefully lift the handlebar stem until it locks into place. Ensure the folding mechanism is securely latched.
2. **Attach the Handlebars:** Connect the handlebar assembly to the stem. Ensure all cables are properly routed and not pinched. Secure the handlebars with the provided screws and tools.
3. **Initial Charge:** Before your first ride, fully charge the scooter's battery. Refer to the "Charging" section for details.

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Video 4.1: Demonstration of unfolding and preparing the Hiboy KS4 Pro electric scooter for use. This video shows the simple steps to get the scooter ready for riding after transport.

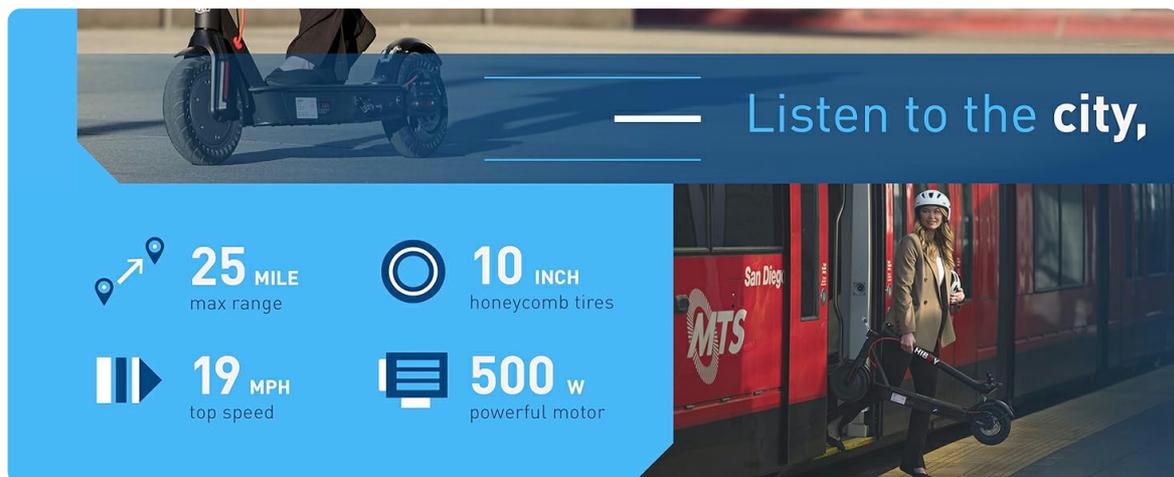


Figure 4.1: The scooter's portable folding design for easy transport.

5. CHARGING

The Hiboy KS4 Pro is powered by a 36V 11.6Ah Lithium-ion battery. A full charge typically takes approximately 5 hours.

1. Locate the charging port on the scooter.
2. Ensure the scooter is powered off before connecting the charger.
3. Connect the charger to the scooter's charging port, then plug the charger into a standard wall outlet.
4. The indicator light on the charger will change (e.g., from red to green) when charging is complete.
5. Disconnect the charger from the wall outlet first, then from the scooter.

Note: Do not charge in extreme temperatures (below 0°C or above 60°C). Unplug the charger when not in use to prevent overcharging and prolong battery life.



High Capacity Battery

This powerful electric scooter is designed with a high-capacity 36V 11.6Ah battery and up to 25-mile travel range per charge.



Figure 5.1: Battery and charging information.

6. OPERATING INSTRUCTIONS

6.1 Power On/Off

Press and hold the power button on the handlebar display to turn the scooter on or off.

6.2 Speed Modes

The scooter features dual speed modes: Eco (13 MPH) for extended range and Sport (19 MPH) for faster rides. Switch between modes using the power button or through the Hiboy App.

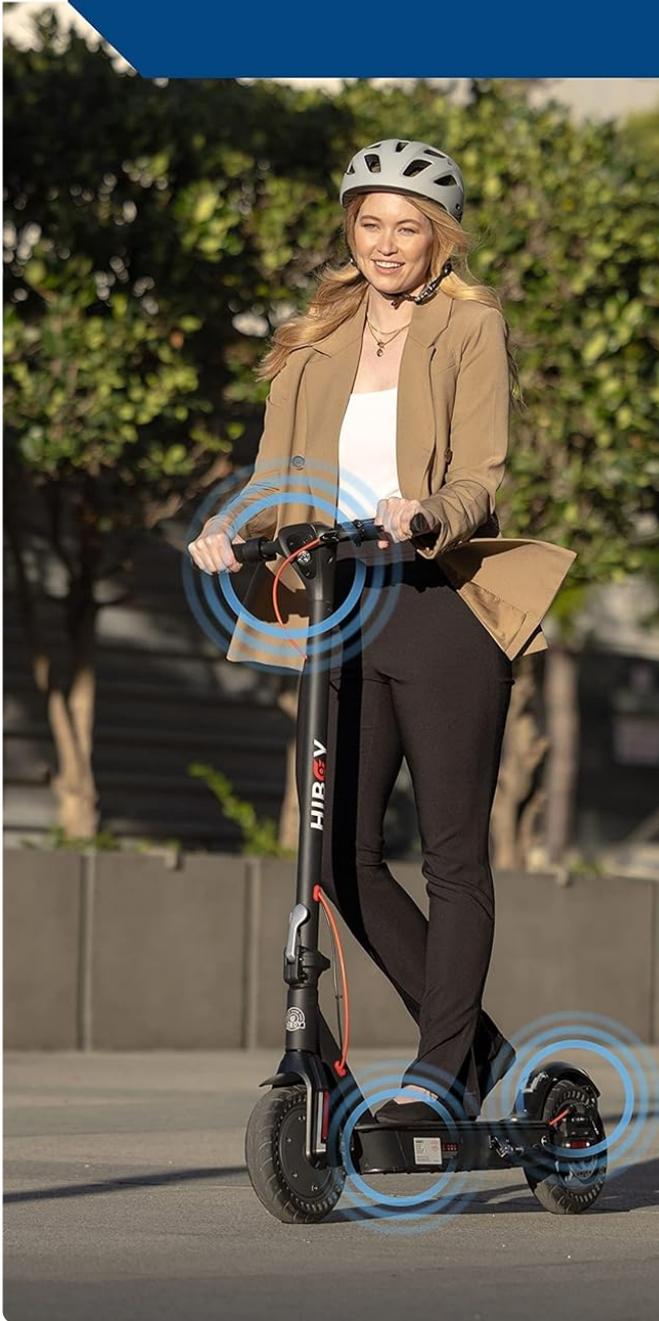
6.3 Riding

To start riding, kick off with one foot and then gently press the throttle. Maintain a balanced posture. The 500W motor (750W peak) provides strong power for inclines up to 15%.

6.4 Braking System

The Hiboy KS4 Pro is equipped with a dual braking system: an electronic brake and a rear disc brake. Use the brake lever on the handlebar to engage both systems for responsive and safe stopping. Always brake smoothly to avoid sudden stops.

RIDE SAFELY!



Night Riding Lighting System

Super bright headlight, red LED sidelights and taillights.



Dual Braking System

Featuring anti-lock, eABS regenerative disc brakes.

Figure 6.1: Night riding lighting system and dual braking system.

6.5 Tires and Suspension

The scooter features 10-inch honeycomb tires, which are flat-resistant and durable. A rear suspension system enhances ride comfort, especially on varied urban terrains.



Rear Dual Shock Absorber

Designed for ultimate comfort, this electric scooter includes an adjustable dual shock absorption system that maintains a comfortable and smooth riding experience no matter your city's terrain!



Figure 6.2: Rear dual shock absorber system.

6.6 Folding Mechanism

The scooter is designed for easy folding in three steps for convenient storage and transport. Engage the folding latch mechanism to secure the stem in the folded position.

Your browser does not support the video tag.

Video 6.1: Demonstration of the Hiboy KS4 Pro's folding mechanism. This video illustrates how to quickly fold and unfold the scooter for portability.

7. HIBOY APP CONNECTIVITY

Enhance your riding experience by connecting your Hiboy KS4 Pro to the Hiboy App. The app allows for customized control and monitoring of your scooter.

App Features:

- **Lock & Unlock:** Secure your scooter remotely.
- **Customized Speed & Cruise Control:** Adjust speed settings and activate cruise control.
- **Pair with One-Click:** Easy Bluetooth pairing with your smartphone.
- **Switch Riding Modes:** Conveniently change between Eco and Sport modes.
- **Light Control:** Manage the scooter's lighting system.

HIBOY APP SUPPORT



Lock & Unlock
the Scooter



Customized Speed
& Cruise Control



Pair with One-Click



Switch Riding Modes



Light Control

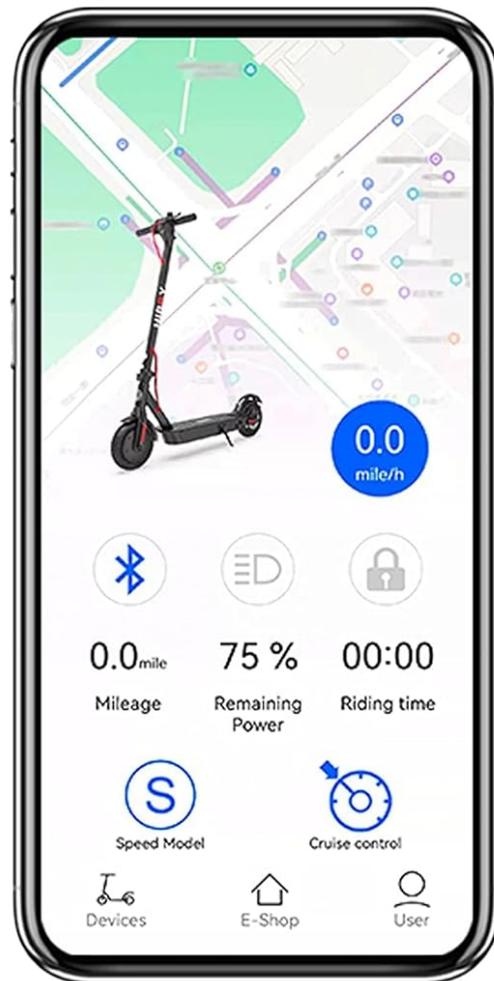


Figure 7.1: Hiboy App interface and features.

8. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your Hiboy KS4 Pro Electric Scooter.

- **Cleaning:** Wipe the scooter with a damp cloth. Do not use high-pressure water or immerse the scooter in water.
- **Tires:** Although honeycomb tires are flat-resistant, regularly inspect them for wear and tear.
- **Brakes:** Periodically check the brake lever and disc brake for proper function and adjustment. Ensure the electronic brake engages correctly.

- **Battery Care:** Store the scooter in a cool, dry place. If storing for an extended period, charge the battery to about 50-70% every few months to prevent deep discharge.
- **Fasteners:** Check all screws and bolts regularly to ensure they are tight.

9. TROUBLESHOOTING

This section addresses common issues you might encounter. For problems not listed here, or if solutions do not resolve the issue, please contact Hiboy customer support.

Problem	Possible Cause	Solution
Scooter does not power on	Low battery; loose connections; power button issue	Charge the battery fully; check all visible connections; contact support if issue persists.
Reduced range or speed	Low battery; heavy load; riding uphill; extreme temperatures	Ensure full charge; reduce load; ride on flat terrain; operate within recommended temperature range.
Brakes not responsive	Brake cable adjustment needed; worn brake pads	Inspect and adjust brake cable tension; check brake pads for wear and replace if necessary.
Unusual noises during operation	Loose components; debris in wheels; motor issue	Check all fasteners; inspect wheels for obstructions; contact support for motor-related issues.

10. SPECIFICATIONS

Below are the key technical specifications for the Hiboy KS4 Pro Electric Scooter:

Model Name: KS4 Pro

Motor Power: 500W (750W Peak)

Max Speed: Up to 19 MPH

Max Range: Up to 25 Miles

Battery: 36V 11.6Ah Lithium-ion

Charging Time: Approximately 5 hours

Tires: 10-inch Honeycomb Solid Tires

Brake System: Electronic brake and Rear Disc brake

Suspension: Rear Suspension

Max Climbing Angle: 15%

Weight Limit: 220 Pounds (100 kg)

Product Dimensions (LxWxH): 45.3" x 18.9" x 48.2"

Item Weight: 38.5 Pounds (17.5 kg)

Frame Material: Aluminum

Age Range: Adult

UL Certification: UL 2272



Figure 10.1: Product dimensions and user suitability.

11. WARRANTY AND CUSTOMER SUPPORT

Hiboy provides comprehensive support for its products.

- **Battery and Motor Warranty:** 6-month coverage.
- **Other Parts Warranty:** 1-year coverage.
- **Customer Support:** Available 24 hours a day, 5 days a week.

For warranty claims, technical assistance, or any inquiries, please contact Hiboy customer support through their official channels. Refer to the product packaging or the Hiboy website for the most current contact information.