

Hiboy P7

Hiboy P7 Electric Bike Instruction Manual

1. INTRODUCTION

Welcome to the Hiboy P7 Electric Bike. This manual provides essential information for the safe and efficient operation, assembly, and maintenance of your new electric bicycle. Please read this manual thoroughly before your first ride and keep it for future reference. The Hiboy P7 is designed for adults, featuring a powerful 500W brushless motor, a 15Ah removable battery, and a 7-speed gear system, suitable for various terrains including gravel, road, snow, and trail.

2. SAFETY INFORMATION

Always wear a helmet and appropriate safety gear when riding. Ensure all components are securely fastened before each ride. Do not operate the e-bike under the influence of alcohol or drugs. Adhere to local traffic laws and regulations. Avoid riding in extreme weather conditions. Regular inspections and maintenance are crucial for safe operation.

3. SETUP AND ASSEMBLY

The Hiboy P7 Electric Bike comes 85% pre-assembled. The following steps detail the remaining assembly process.

3.1 Unpacking and Accessory Check

Carefully remove the bike and all components from the packaging. Verify that all accessories are present according to the packing list.



Figure 3.1: The Hiboy P7 Electric Bike is 85% pre-assembled, requiring minimal final setup.

3.2 Installation Guide Video

For a visual step-by-step guide, please watch the official installation video:

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Video 3.1: Official Hiboy P7 Ebike Installation Guide. This video demonstrates the complete assembly process from unpacking to final checks.

3.3 Key Assembly Steps

1. **Install Kickstand:** Attach the kickstand to the designated mounting points on the bike frame using the provided tools.
2. **Install Front Wheel:** Secure the front wheel to the fork, ensuring the quick-release skewer is properly inserted and tightened.
3. **Install Handlebar:** Position the handlebar stem facing forward and tighten the bolts to secure it.
4. **Install Headlight:** Mount the headlight to the front fork using the provided screw and ensure it is securely connected.
5. **Install Pedals:** Distinguish between the left (L) and right (R) pedals. Rotate them in the direction of the indicated arrow to tighten.
6. **Install Seat:** Insert the seat post into the frame and adjust the height to your preference, then secure it with the quick-release lever.

4. COMPONENTS OVERVIEW

4.1 Powerful 500W Brushless Motor

The Hiboy P7 is equipped with a 48V 500W high-speed brushless motor, providing strong power for climbing up to 20% slopes. It supports a maximum speed of 25+ MPH (by pedal) and 21 MPH (by throttle).



Figure 4.1: The powerful 500W brushless motor provides robust performance for various riding conditions.

4.2 Large Capacity 15Ah Battery

The removable 15Ah lithium-ion battery is integrated into the frame with a double-lock mechanism for security. It offers a range of 37 miles (throttle only) to 68 miles (pedal assist) and can be conveniently recharged at home or office.

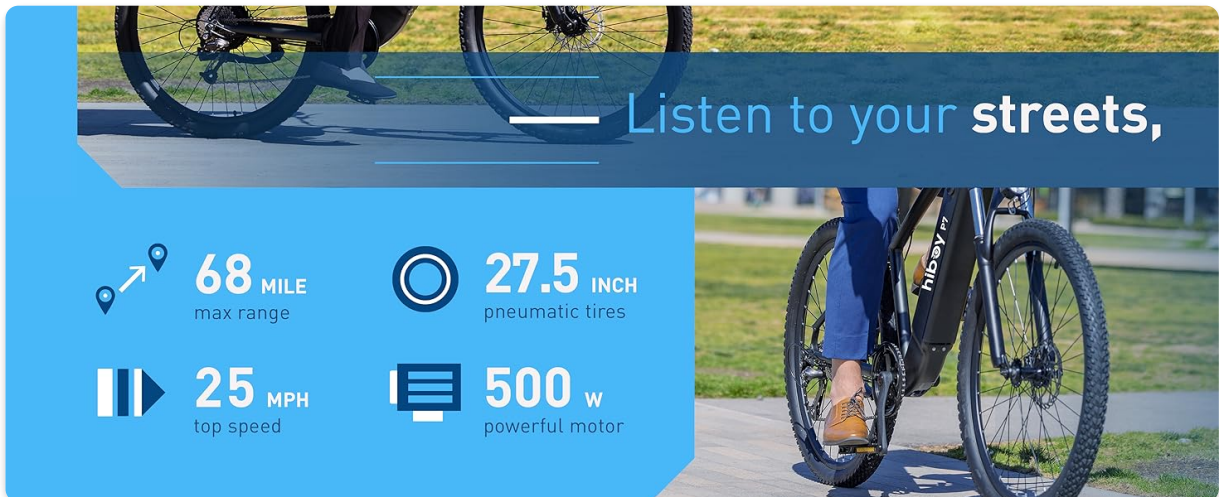


Figure 4.2: The integrated 15Ah battery provides extended range and is easily removable for charging.

4.3 Lockable Suspension System & 7-Speed Gears

Equipped with a professional lockable suspension front fork and seat post, the bike ensures a smoother ride over rough terrain. The Shimano 7-speed gear system allows for quick and efficient gear changes to adapt to different riding environments.

Powerful 500W Motor

Virtually effortless daily commuting or off-roading with a 500-watt hub brushless motor, which delivers power to spare for 20% slope climbing, at a max speed of 25mph.



Figure 4.3: The lockable front suspension and 7-speed Shimano gears enhance ride comfort and adaptability.

4.4 Multifunction LCD Display & Headlight

The bike features a multifunction LCD display that shows essential riding data such as speed, battery level, and assist mode. A high-luminance headlight is included for improved visibility and safety during low-light conditions.



Shimano 7-Speed Gear System

Quickly shift between 7 gears—enjoy smoother riding whether you're commuting on city streets or conquering rough terrain.



Figure 4.4: The LCD display provides key information, while the headlight ensures visibility.

5. OPERATING INSTRUCTIONS

5.1 Riding Modes

The Hiboy P7 offers three distinct riding modes:

- **Pure Electric Mode:** Engage the throttle for motor-only propulsion without pedaling.
- **Pedal-Assist Mode:** The motor provides assistance as you pedal, offering varying levels of support (0-5) to extend your range and reduce effort.
- **Classic Bike Mode:** Ride the bike like a traditional bicycle, relying solely on your pedaling power.



3 Riding Modes

The Hiboy electric bike makes it fun and easy to explore new trails or run errands thanks to 3 riding modes designed to fit your style, including pedal assisted, electric throttle only, and classic bike mode.

Figure 5.1: Choose from Pure Electric, Pedal-Assist, or Classic Bike modes to suit your riding style.

5.2 Display Operation

The LCD display allows you to monitor your speed, battery level, and adjust pedal-assist levels. Use the buttons on the display unit to cycle through information and change settings.

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Video 5.2: This video demonstrates the functionality of the Hiboy P7's LCD display and various riding tests.

6. BATTERY INFORMATION

6.1 Charging the Battery

The 15Ah lithium-ion battery can be charged while installed on the bike or removed. Connect the charger to the charging port on the battery and then to a power outlet. The charger indicator light will show charging status. A full charge typically takes 7-8 hours.

6.2 Battery Range

The battery provides an estimated range of 37 miles using throttle-only mode and up to 68 miles with pedal assist. Actual range may vary based on terrain, rider weight, and assist level.

7. MAINTENANCE

- **Regular Cleaning:** Keep your e-bike clean, especially after riding in wet or muddy conditions.
- **Tire Pressure:** Check tire pressure regularly. The 27.5-inch puncture-resistant tires require proper inflation for optimal performance and safety.
- **Brake Inspection:** Regularly inspect the mechanical disc brakes for wear and proper function. Adjust as needed.
- **Chain Lubrication:** Lubricate the chain periodically to ensure smooth gear changes and prevent rust.
- **Bolt Tightness:** Periodically check and tighten all bolts and fasteners, especially on the handlebar, seat post, and wheels.
- **Battery Care:** Store the battery in a cool, dry place and charge it regularly, even if not in use, to prolong its lifespan.

8. TROUBLESHOOTING

- **No Power:** Ensure the battery is fully charged and properly seated in the frame. Check all electrical connections.
- **Motor Not Assisting:** Verify that pedal-assist mode is activated and the assist level is set above zero. Check for any error codes on the LCD display.
- **Brakes Squealing/Ineffective:** Inspect brake pads for wear and replace if necessary. Ensure brake calipers are properly aligned and cables are tensioned correctly.
- **Gear Shifting Issues:** Check the derailleur alignment and cable tension. Lubricate the chain if it's dry.
- **Display Not Working:** Check battery connection and ensure the bike is powered on. If issues persist, contact customer support.

9. SPECIFICATIONS

Bike Type	Electric Bike
Brand	Hiboy
Model Name	P7
Motor	500W Brushless Motor
Max Speed	25+ MPH (pedal), 21 MPH (throttle)
Battery	48V 15Ah Lithium-ion (696 Wh)
Range	37 miles (throttle) - 68 miles (pedal assist)
Number of Speeds	7 (Shimano)
Wheel Size	27.5 Inches
Tires	27.5" x 2" Puncture Resistant
Frame Material	Aluminum
Suspension Type	Front (Lockable)
Brake Style	Disc
Maximum Weight Recommendation	265 Pounds
Item Weight	75 Pounds
Assembly Required	Yes (85% pre-assembled)
UL Certification	UL2849 Certified

10. WARRANTY AND SUPPORT

The Hiboy P7 Electric Bike comes with a 1-year limited warranty. For warranty claims, technical support, or any inquiries, please contact Hiboy customer service. Refer to the official Hiboy website or your purchase documentation for detailed contact information.

