

HONEYWHALE K6 PRO

HONEYWHALE K6 Pro Electric Bicycle User Manual

Model: K6 PRO

1. SAFETY INFORMATION

Read this manual thoroughly before operating the HONEYWHALE K6 Pro Electric Bicycle. Failure to follow safety instructions can result in serious injury or property damage. Always wear a helmet and appropriate safety gear when riding.

General Safety Precautions:

- Always check brakes, tires, and battery level before each ride.
- Obey all local traffic laws and regulations.
- Do not ride under the influence of alcohol or drugs.
- Avoid riding in heavy rain, snow, or icy conditions.
- Ensure all fasteners are tightened securely before riding.

Battery Safety:

- Use only the charger provided by HONEYWHALE.
- Do not expose the battery to extreme temperatures or direct sunlight.
- Do not puncture, drop, or disassemble the battery.
- If the battery is damaged or leaking, contact support immediately.

2. PRODUCT OVERVIEW

The HONEYWHALE K6 Pro is an electric mountain bicycle designed for adults, featuring a powerful motor, long-range battery, and intelligent NFC unlock system. Its robust design and advanced features provide a comfortable

and efficient riding experience across various terrains.

Key Features:

- **850W Peak Motor Power:** Provides strong acceleration and uphill capability.
- **48V 15.6AH Removable Battery:** Offers an electric range of up to 62 km.
- **NFC Smart Unlock:** Convenient and secure vehicle startup with a card swipe.
- **7-Speed Gear System:** Ensures precise and responsive gear changes.
- **Dual Suspension System:** Front suspension and rear shock absorber for enhanced comfort.
- **20"x4" Fat Tires:** Wear-resistant tires suitable for sand, mountain paths, snow, and urban roads.
- **Front and Rear Oil Disc Brakes:** Improved braking performance for safety.
- **High-Definition LCD Display:** Shows real-time speed, mileage, battery level, and speed mode.

Product Dimensions:



Figure 2.1: Product Dimensions. The bicycle measures 170 cm in length, 113 cm in height to the handlebars, and 85 cm to the seat. Maximum load capacity is 120 kg.

- **Length:** 170 cm

- **Height:** 113 cm
 - **Width:** 70 cm
 - **Weight:** 38 kg
 - **Maximum Load:** 120 kg
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3. SETUP

Unpacking and Initial Assembly:

The HONEYWHALE K6 Pro comes partially assembled. Carefully remove all packaging materials. It is recommended to have assistance during assembly and to thoroughly check all screws and fasteners before first use.

- Attach the front wheel, handlebars, pedals, and seat post as per the included assembly guide.
- Ensure all connections are secure and tightened to the manufacturer's specifications.
- Check tire pressure and inflate if necessary.

Battery Installation and Initial Charge:

The battery is removable for convenient charging. Before your first ride, fully charge the battery.

- Locate the battery compartment and insert the battery, ensuring it clicks into place.
- Connect the charger to the battery charging port and then to a power outlet.
- The charging indicator on the charger will show the charging status. Charge time is approximately 7 hours.
- Once fully charged, disconnect the charger.

NFC Smart Unlock Setup:

The K6 Pro uses an NFC card for intelligent unlocking. Your bicycle comes with NFC cards. To activate the system:

- Ensure the battery is installed and powered on.
 - Swipe the NFC card over the designated NFC reader area on the display.
 - The display will illuminate, indicating the bicycle is unlocked and ready for use.
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4. OPERATING INSTRUCTIONS

Powering On and Off:

- **To Power On:** Swipe your NFC card over the reader. The display will activate.
- **To Power Off:** Press and hold the power button on the display. After turning off, press the button on the battery to put it into sleep mode, preventing continuous NFC system power consumption.

Riding Modes:

3 Modos de Conducción



Figure 4.1: Three Riding Modes. Choose between manual, electric assist, or fully electric riding.

The K6 Pro offers three distinct riding modes to suit your preference and terrain:

1. **Manual Pedal Mode:** Ride the bicycle like a traditional bike, using only pedal power. The electric system is off.
2. **Electric Assist Mode:** Engage the electric assist by pressing the power button. Pedal as usual, and the motor will provide assistance, reducing fatigue. This mode offers a greater range than pure electric driving.
3. **Pure Electric Mode:** Press the power button and use only the throttle for fully electric propulsion. This mode has 5 adjustable speed gears.

Speed Modes and Gear Shifting:

The bicycle features 5 electric speed modes and a 7-speed mechanical gear system.

- **Electric Speed Modes:** 17 km/h, 22 km/h, 32 km/h, 37 km/h, 55 km/h. Adjust these via the display controls in pure electric mode.
- **7-Speed Transmission:** Use the gear shifter on the handlebars to change mechanical gears, optimizing pedaling effort for different inclines and speeds.

LCD Display Functions:

Pantalla **LED** Inteligente Ampliada



Método de desbloqueo actualizado a desbloqueo inteligente **NFC**

Figure 4.2: Smart LED Display. Provides essential riding information and supports NFC unlock.

The intelligent display provides real-time data:

- **Real-time Speed:** Current riding speed.
- **Mileage:** Total distance traveled.
- **Battery Level:** Remaining battery charge.
- **Speed Mode:** Current electric assist level.
- **Headlight Indicator:** Shows if the headlight is on.

5. BATTERY MANAGEMENT

Charging the Battery:

BATERÍA DE ALTA CAPACIDAD MEJORADA

62KM



48V 15.6AH
Batería



Bloqueo con Llave



Batería Extraíble

Figure 5.1: High Capacity Removable Battery. The 48V 15.6AH battery can be easily removed for charging.

The K6 Pro is equipped with a 48V 15.6AH lithium-ion battery. It can be charged while installed on the bike or removed for charging indoors.

- Ensure the bicycle is turned off before charging.
- Connect the charger to the battery's charging port.
- Plug the charger into a standard wall outlet.
- A full charge takes approximately 7 hours. Do not overcharge.

Battery Care and Storage:

- After turning off the bicycle, press the button on the battery to put it into a low-power sleep state. This prevents the NFC system from continuously consuming energy.
- Store the battery in a cool, dry place, away from direct sunlight and extreme temperatures.
- If storing for an extended period, charge the battery to 50-70% every few months to maintain its health.

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your HONEYWHALE K6 Pro Electric Bicycle.

Routine Checks (Before Each Ride):

- **Brakes:** Test front and rear brakes for proper function and responsiveness.
- **Tires:** Check tire pressure and inspect for any damage or excessive wear.
- **Battery:** Verify battery charge level.
- **Fasteners:** Ensure all quick releases and bolts are tight.
- **Lights:** Confirm headlights and taillights are working.

Regular Maintenance (Weekly/Monthly):

- **Cleaning:** Wipe down the frame and components with a damp cloth. Avoid high-pressure washing directly on electrical components.
- **Chain:** Clean and lubricate the chain regularly, especially after riding in wet or dusty conditions.
- **Brake System:** Inspect brake pads for wear. If the oil disc brakes feel spongy or less effective, professional service may be required for fluid checks or bleeding.
- **Tires:** Check for embedded objects and ensure proper tire pressure (20*4 inch tires).
- **Suspension:** Keep suspension components clean.

Long-Term Maintenance:

- Periodically have the bicycle inspected by a qualified technician for comprehensive checks of the motor, battery, and electrical system.
- Replace worn components such as brake pads, tires, and chain as needed.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your K6 Pro Electric Bicycle.

Problem	Possible Cause	Solution
Bicycle does not power on.	Battery is low or depleted. NFC card not swiped correctly. Battery not properly installed.	Charge the battery. Swipe NFC card again. Ensure battery is securely seated.
Motor not providing assist/power.	Battery low. Incorrect riding mode selected. Loose motor connection.	Charge battery. Switch to Electric Assist or Pure Electric mode. Check motor cable connections.
Brakes feel weak or spongy.	Worn brake pads. Air in hydraulic system (oil disc brakes). Low brake fluid.	Inspect and replace brake pads. Seek professional service for hydraulic brake system maintenance.
Unusual noises during operation.	Loose components. Chain needs lubrication. Debris in moving parts.	Inspect all fasteners. Clean and lubricate chain. Remove any debris.

Problem	Possible Cause	Solution
Display not working.	Loose cable connection. Power issue.	Check display cable connections. Ensure battery is charged and powered on.

If you encounter issues not listed here or if the suggested solutions do not resolve the problem, please contact HONEYWHALE customer support or a certified bicycle technician.

8. SPECIFICATIONS

Detailed technical specifications for the HONEYWHALE K6 Pro Electric Bicycle.



Figure 8.1: Motor and Performance. The 850W motor enables a top speed of 55 km/h and a 20-degree climbing angle.

Feature	Specification
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Feature	Specification
Model	K6 PRO Electric Bicycle
Motor Power	Rated 750W, Max 850W Brushless Motor
Battery	48V 15.6AH Lithium-ion (Removable)
Charging Time	≤ 7 hours
Max Speed	55 km/h
Max Electric Range	62 km (Electric assist mode offers greater range)
Max Load Capacity	120 kg
Tire Size	20 * 4 inches
Waterproof Rating	IP54
Braking System	Front and Rear Oil Disc Brakes
Transmission	7 Speeds
Suspension Type	Dual (Front and Rear)
Frame Material	Iron
Product Dimensions	170 x 70 x 113 cm
Product Weight	38 kg
Special Features	NFC Smart Unlock, High-Definition LCD Display, 5 Electric Speed Modes

9. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided at the time of purchase or contact your retailer. HONEYWHALE offers customer support for technical assistance and inquiries.

Customer Support:

- For product support, troubleshooting, or spare parts, please contact the official HONEYWHALE customer service.
- Keep your purchase receipt and product serial number handy when contacting support.

You can find more information and contact details on the official HONEYWHALE brand store:[HONEYWHALE Store](#)