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HITWAY BK7

HITWAY BK7 Electric Mountain Bike User Manual

MODEL: BK7

1. Introduction

Thank you for choosing the HITWAY BK7 Electric Mountain Bike. This manual provides essential information for the safe assembly, operation, and maintenance of your new electric bicycle. Please read this manual thoroughly before your first ride to ensure optimal performance and safety.

The HITWAY BK7 is designed for adults, featuring a robust aluminum alloy frame, a powerful 250W motor, and a 48V/7.5Ah removable lithium battery. It offers three riding modes: electric, pedal-assist, and manual, providing versatility for various riding conditions.

2. Safety Information

Your safety is paramount. Always wear a helmet and appropriate safety gear when riding. Adhere to all local traffic laws and regulations. Perform a pre-ride inspection before each use.

2.1 General Safety Guidelines

- Do not ride under the influence of alcohol or drugs.
- Ensure all components are securely fastened before riding.
- Be aware of your surroundings and potential hazards.
- Avoid riding in heavy rain or extreme weather conditions.
- Do not exceed the maximum load capacity of 120 kg.

2.2 Pre-Ride Checklist

- **Tires:** Check tire pressure (26 x 2.35 inches) and ensure they are free from damage.
- **Brakes:** Verify that both front and rear disc brakes are functioning correctly.
- **Battery:** Ensure the battery is fully charged and securely installed.
- **Lights:** Test the front LED headlight and rear light for proper operation.
- **Gears:** Confirm smooth shifting through all 21 gears.
- **Handlebars & Seat:** Check that the handlebars and seat are properly adjusted and tightened.

3. Setup and Assembly

The HITWAY BK7 electric bike comes largely pre-assembled. Final assembly typically involves attaching the front wheel, handlebars, pedals, seat, and making minor adjustments.

3.1 Unboxing and Initial Inspection

Carefully remove the bike and all components from the packaging. Inspect for any visible damage during transit. Keep all packaging materials until assembly is complete and you are satisfied with the product.

3.2 Component Assembly

- Front Wheel Installation:** Attach the front wheel, ensuring the disc brake rotor aligns correctly with the caliper. Secure the quick-release skewer or axle nuts firmly.
- Handlebar Attachment:** Insert the handlebar stem into the fork tube and tighten the stem bolts. Ensure the handlebars are straight and secure.
- Pedal Installation:** Identify the left (L) and right (R) pedals. The left pedal tightens counter-clockwise, and the right pedal tightens clockwise. Thread them carefully into the crank arms and tighten securely with a wrench.
- Seat Post and Saddle:** Insert the seat post into the frame and adjust the saddle height to a comfortable riding position. Tighten the quick-release lever or bolt.
- Battery Installation:** The 48V/7.5Ah lithium battery is integrated into the frame. Ensure it is securely locked in place.



Figure 1: Overview of the HITWAY BK7 Electric Mountain Bike, including the bike, a cable lock, and a pump.



Figure 2: Illustration of the hidden 36V 12Ah lithium battery within the bike frame, highlighting its integrated design and charging time.

4. Operating Instructions

4.1 Powering On/Off

To power on the bike, press and hold the power button on the smart LCD display. To power off, press and hold the same button until the display turns off.

4.2 Smart LCD Display

The intelligent LCD display provides real-time information about your ride, including speed, distance, battery level, and gear mode. Use the controls on the display to switch between modes and adjust settings.



Figure 3: Close-up of the multifunctional smart LCD display, showing indicators for speed, light, gear, mileage, and battery level.

4.3 Riding Modes

The HITWAY BK7 offers three distinct riding modes:

- **Electric Mode:** Provides full motor power without pedaling. Ideal for effortless cruising.
- **Pedal-Assist (Cyclomoteur) Mode:** The motor provides assistance as you pedal. You can adjust the level of assistance via the display. This mode extends range and reduces effort.
- **Manual (ManPower) Mode:** The bike operates like a traditional bicycle, with no motor assistance.

4.4 Gear Shifting

The bike is equipped with a 21-speed Shimano transmission system. Use the shifters on the handlebars to change gears according to terrain and desired speed. Shift smoothly to avoid strain on the drivetrain.



21-SPEED SYSTEM



Figure 4: Detail of the 21-speed gear system shifters, showing the left and right controls for changing gears.

4.5 Braking System

The bike features front and rear disc brakes for reliable stopping power. Apply both brakes simultaneously for effective and controlled deceleration. Avoid sudden, hard braking, especially at high speeds.

4.6 Battery Charging

To charge the battery, connect the charger to the charging port on the bike and then to a standard power outlet. The charging time is approximately 4-6 hours for a full charge. Do not use chargers not supplied or approved by HITWAY.

5. Maintenance

Regular maintenance ensures the longevity and safe operation of your HITWAY BK7 electric bike.

5.1 Battery Care

- Charge the battery regularly, even if not in use, to maintain its health.

- Store the battery in a cool, dry place, away from direct sunlight and extreme temperatures.
- Avoid completely draining the battery before recharging.

5.2 Tire Maintenance

Check tire pressure weekly and inflate to the recommended PSI (pounds per square inch) indicated on the tire sidewall. Inspect tires for wear, cuts, or embedded objects.

5.3 Brake System Inspection

Regularly check brake pads for wear and replace them when necessary. Ensure brake levers are firm and responsive. If you notice any issues, have the brakes inspected by a qualified technician.

5.4 Drivetrain Lubrication

Keep the chain clean and lubricated to ensure smooth gear changes and prevent rust. Use a bicycle-specific chain lubricant.

5.5 General Cleaning

Clean your bike regularly with a damp cloth and mild soap. Avoid using high-pressure washers directly on electrical components. Dry the bike thoroughly after cleaning.

6. Troubleshooting

This section addresses common issues you might encounter with your electric bike.

Problem	Possible Cause	Solution
Bike does not power on	Battery not charged; Battery not properly seated; Loose electrical connection	Charge battery; Re-seat battery; Check connections
Motor not assisting	Battery low; Pedal-assist level too low; Brake lever engaged	Charge battery; Increase assist level; Release brake lever fully
Short battery range	Under-inflated tires; Riding uphill frequently; Heavy load; Cold weather	Inflate tires to correct pressure; Use lower assist levels; Reduce load; Battery performance decreases in cold
Brakes squealing	Dirty rotors/pads; Worn pads; Misaligned caliper	Clean rotors/pads; Replace pads; Adjust caliper alignment

If you encounter issues not listed here or if the suggested solutions do not resolve the problem, please contact HITWAY customer support for assistance.

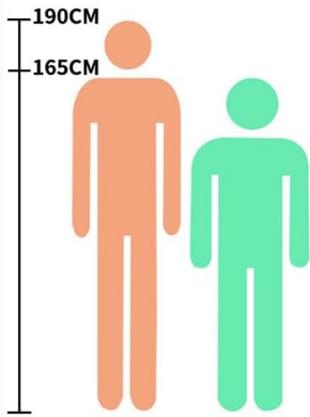
7. Specifications

Detailed technical specifications for the HITWAY BK7 Electric Mountain Bike:

Feature	Specification
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Feature	Specification
Model	BK7
Frame Material	Aluminum Alloy
Dimensions (L x W x H)	1760 x 620 x 1100 mm
Gross Weight	32.3 kg
Net Weight	21.3 kg
Battery Voltage	48V
Battery Capacity	7.5 Ah Lithium-ion
Motor Type	26" 36V High-Speed Brushless Motor (250W)
Max Speed	25 km/h
Continuous Range (Pure Electric)	≥ 35 km
Gears	21 Speeds (Shimano)
Tire Size	26 x 2.35 inches
Front Fork	Anti-shock Suspension Fork
Brakes	Front and Rear Disc Brakes
Max Load	120 kg
Recommended Age	Adult (Riding between 16 years old)

Height



Aluminum alloy frame

Gross/Net: 31.3kg/24.2kg

Maximum Load: 120kg

Suitable age: Riding between 16 years old



Figure 5: Detailed dimensions of the HITWAY BK7 Electric Mountain Bike, including height, length, and wheel size, alongside a height comparison chart.

8. Warranty and Support

HITWAY is committed to providing superior quality products and customer service. Your electric bike comes with a manufacturer's warranty covering defects in materials and workmanship under normal use.

For warranty claims, technical support, or any questions regarding your HITWAY BK7 electric bike, please contact our customer service team. Have your model number (BK7) and purchase information ready when contacting support.

Please refer to the official HITWAY website or your purchase documentation for specific warranty terms and contact details.