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› HillMiles MileZoom1 Electric Bicycle User Manual

HillMiles MileZoom1

HillMiles MileZoom1 Electric Bicycle User Manual

Model: MileZoom1

INTRODUCTION

Welcome to the HillMiles MileZoom1 Electric Bicycle user manual. This guide provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new electric bicycle. Please read this manual thoroughly before your first ride to ensure proper assembly and understanding of all features.



Figure 1: The HillMiles MileZoom1 Electric Bicycle, showcasing its robust design and fat tires.

SETUP AND ASSEMBLY

Your HillMiles MileZoom1 electric bicycle is delivered 85% pre-assembled to simplify the setup process. The remaining assembly steps are straightforward and require minimal tools.

Initial Assembly Steps:

1. **Unpacking:** Carefully remove all components from the packaging. Retain packaging for future transport or storage.
2. **Handlebar Installation:** Attach the handlebars to the stem, ensuring they are centered and tightened securely.
3. **Front Wheel Attachment:** Install the front wheel, aligning the disc brake rotor correctly with the caliper.
4. **Pedal Installation:** Identify the left (L) and right (R) pedals. Thread them into the crank arms carefully (left pedal is reverse-threaded).
5. **Seat Post and Saddle Adjustment:** Insert the seat post into the frame and adjust the saddle height for comfortable riding. Secure with the quick-release lever.
6. **Battery Installation:** Ensure the battery is securely inserted into its compartment.
7. **Initial Charge:** Fully charge the battery before the first use. Refer to the "Battery Charging" section for details.

Removable High-Capacity Battery



832 Wh
Single Battery



Max 50 KM
in throttle-only mode



Max 130 KM
in PAS mode



Figure 2: The removable 832 Wh high-capacity battery, offering extended range for your rides.

OPERATING INSTRUCTIONS

Powering On/Off and LCD Display:

To power on the bicycle, press and hold the power button on the LCD display. The high-definition LCD display provides real-time information including speed, power output, mileage, current gear, and error alerts. Customizable speed settings can be adjusted via the display controls.

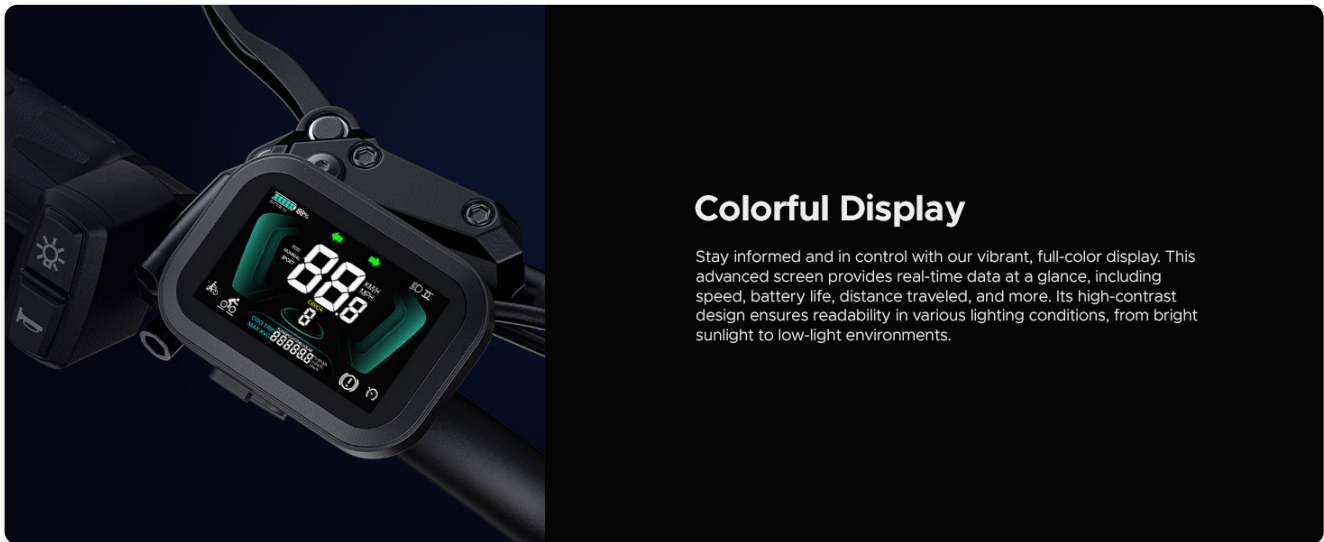


Figure 3: The vibrant, full-color LCD display provides essential riding data at a glance, ensuring clear visibility in various lighting conditions.

Riding Modes:

- **Pure Electric Mode:** Engage the throttle for motor-only propulsion. Provides a range of up to 50 km on a single charge.
- **Pedal Assist System (PAS) Mode:** The motor provides assistance as you pedal. PAS 1 offers the maximum range of up to 130 km. Higher PAS levels provide more assistance but reduce range.
- **Manual Mode:** Ride the bicycle like a traditional bike without motor assistance.

Gear Shifting:

The HillMiles MileZoom1 features a 7-speed gear system. Use the shifter on the handlebars to change gears according to terrain and desired pedaling effort. Shift smoothly to avoid strain on the drivetrain.

Braking System:

Equipped with high-performance hydraulic disc brakes, the MileZoom1 ensures reliable stopping power. Apply both brake levers simultaneously for optimal and safe braking. The hydraulic system provides quick response and reduced braking distance.

203MM Hydraulic Disc Brakes

- Stronger braking
- Shorter braking distance
- Better heat dissipation



Figure 4: Illustration of the 203mm hydraulic disc brakes, designed for stronger braking, shorter stopping distances, and better heat dissipation.

Lighting:

The bicycle features elegant front headlights, a striking taillight, and an efficient brake indicator light for enhanced visibility and safety during night riding. Activate lights via the controls on the handlebars.

MAINTENANCE

Regular maintenance is crucial for the longevity and optimal performance of your HillMiles MileZoom1 electric bicycle.

• Battery Care:

- Charge the battery fully after each ride, especially if it will be stored for an extended period.
- Charge time is approximately 5-6 hours for a full charge.
- Store the battery in a cool, dry place, away from direct sunlight and extreme temperatures.
- Avoid completely draining the battery before recharging.

- **Tire Pressure:**

- Check tire pressure before each ride. The 20x4.0 inch fat tires require specific pressure for optimal performance and comfort. Refer to the tire sidewall for recommended PSI.

- **Brake Inspection:**

- Regularly inspect brake pads for wear and replace them if necessary.
- Ensure brake levers provide firm and consistent pressure. If they feel spongy, the hydraulic system may need bleeding by a professional.

- **Chain Lubrication:**

- Keep the chain clean and lubricated to ensure smooth gear changes and prevent wear.

- **General Cleaning:**

- Clean the bicycle regularly with a damp cloth. Avoid high-pressure washing directly on electrical components.

- **Suspension Checks:**

- Periodically check the front 50mm suspension and hydraulic 40mm rear shock for proper function and cleanliness.

TROUBLESHOOTING

This section addresses common issues you might encounter with your HillMiles MileZoom1. For more complex problems, please contact customer support.

Problem	Possible Cause	Solution
Bike does not power on.	Battery not installed correctly, battery depleted, power cable loose.	Ensure battery is fully seated. Charge battery. Check all cable connections.
Motor not assisting.	PAS level too low, throttle not engaged, brake levers engaged, error code on display.	Increase PAS level. Ensure throttle is fully pressed. Release brake levers. Check LCD for error codes and consult manual.
Brakes feel weak or spongy.	Worn brake pads, air in hydraulic line, low fluid.	Inspect and replace brake pads. Seek professional service for hydraulic system bleeding or fluid top-up.
Unusual noises from drivetrain.	Dry chain, misaligned gears, loose components.	Lubricate chain. Check gear alignment. Inspect for loose bolts or parts.
LCD display shows an error.	System malfunction, sensor issue.	Note the error code. Try restarting the bike. If persistent, contact customer support with the error code.

SPECIFICATIONS

Detailed technical specifications for the HillMiles MileZoom1 Electric Bicycle.

Feature	Detail
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Feature	Detail
Model Number	MileZoom1
Type	Electric Bicycle
Brand	HillMiles
Color	Black
Wheel Size	20 Inches
Tires	20 x 4.0 inch Fat Tires
Frame Material	High-carbon Steel
Suspension Type	Dual Suspension (Front 50mm, Hydraulic Rear 40mm)
Brake Style	Hydraulic Disc Brakes (203mm)
Motor Torque	75 Nm
Max Speed	25 km/h
Battery Capacity	832 Wh (Single Battery)
Range (Throttle-only)	Up to 50 km
Range (PAS Mode)	Up to 130 km (PAS 1)
Charging Time	5-6 hours
Dimensions (L*W*H)	117 x 69 x 115 CM
Load Capacity	120 kg (264 lb)
Recommended Rider Height	150-190 CM (5.2-6.2 ft)
Included Components	Instrument Kit



Figure 5: Key performance specifications of the HillMiles MileZoom1, including speed, range, torque, and battery capacity.

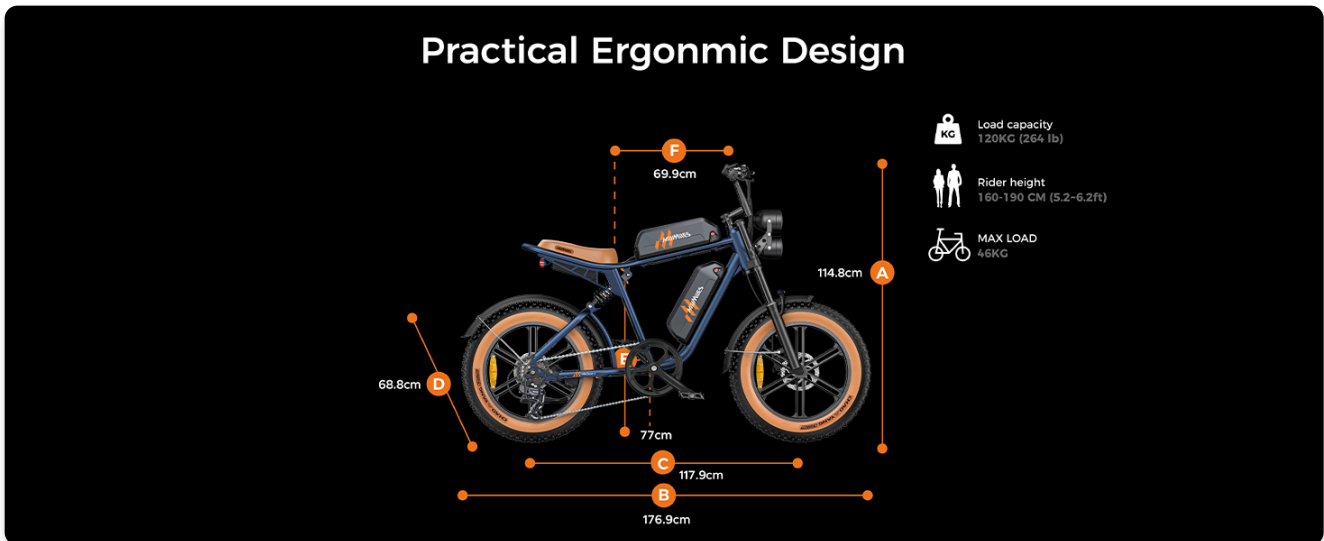


Figure 6: Detailed dimensions and rider specifications for the HillMiles MileZoom1, including load capacity and recommended rider height.

WARRANTY AND SUPPORT

HillMiles is committed to providing excellent customer service and support for your electric bicycle.

- **Warranty:** Your HillMiles MileZoom1 electric bicycle comes with a 1-year warranty from the date of purchase, covering manufacturing defects. Please retain your proof of purchase.
- **Customer Service:** Our dedicated 24/7 customer service team is available to assist you with any questions or concerns.
- **Contact Information:**
 - Email: support@hillmiles.com