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Heybike Mars 2.0

Heybike Mars 2.0 Foldable Electric Bike User Manual

Model: Mars 2.0

1. INTRODUCTION

Thank you for choosing the Heybike Mars 2.0 Foldable Electric Bike. This manual provides essential information for the safe assembly, operation, and maintenance of your e-bike. Please read it thoroughly before your first ride and keep it for future reference.

The Heybike Mars 2.0 is designed for versatile riding, featuring a powerful 1800W peak hub motor, 20 x 4-inch fat tires, and full suspension for comfort across various terrains. It is UL2849 certified for electrical and fire safety, ensuring a secure riding experience. The bike includes a removable 48V 13Ah lithium-ion battery, offering a range of 55-70 miles, and folds for convenient transport and storage.

2. SETUP AND ASSEMBLY

Your Heybike Mars 2.0 arrives 90% pre-assembled. Follow these steps to complete the assembly:

- 1. Unboxing and Component Check:** Carefully remove the bike and all components from the packaging. Verify all parts are present against the packing list.

Unleash Power, Instant Acceleration



32MPH
Top Speed



7-Speed
Gearing



100 N.m
Torque Sensor



30°
Max Slope



Image: Heybike Mars 2.0 components laid out for assembly.

- 2. Front Wheel Assembly:** Attach the front wheel to the fork. Ensure the brake rotor aligns correctly with the caliper and secure the axle nuts.
- 3. Handlebar Stem Installation:** Insert the handlebar stem into the head tube and secure it. Adjust the handlebar angle for comfortable riding.
- 4. Front Fender and Headlight:** Install the front fender over the front wheel. Attach the headlight to the front fork and connect its cable.
- 5. Rear Rack and Rear Fender:** Secure the rear rack and rear fender to the bike frame. Ensure all bolts are tightened.
- 6. Battery Installation:** Insert the removable battery into its compartment on the frame. Ensure it clicks securely into place and is locked with the key.
- 7. Pedal Attachment:** Attach the left and right pedals to the crank arms. Note that pedals are marked 'L' for left and 'R' for right.
- 8. Seat Post and Saddle:** Insert the seat post with the saddle into the frame. Adjust the height to your preference, ensuring it does not exceed the minimum insertion mark.

Your browser does not support the video tag.

Video: Detailed assembly instructions for the Heybike Mars 2.0 Electric Bike.

3. OPERATING INSTRUCTIONS

3.1 Power On/Off

To power on the bike, press and hold the 'M' button on the control panel for a few seconds until the display illuminates. To power off, press and hold the 'M' button again.

3.2 Pedal Assist Modes

The Heybike Mars 2.0 features 5 pedal assist modes. Use the '+' and '-' buttons on the control panel to cycle through the assist levels. Higher levels provide more motor assistance.

3.3 Throttle Operation

The e-bike is equipped with a thumb throttle. Gently press the throttle lever to engage motor power without pedaling. Release the throttle to disengage.

3.4 Lights and Horn

Press the light button on the control panel to turn the headlight and integrated taillight on or off. The horn button is located on the left handlebar for signaling.

3.5 Gear Shifting

Utilize the Shimano 7-speed drivetrain for optimal pedaling efficiency. Shift gears using the lever on the right handlebar to match terrain and desired speed.

Upgraded for More

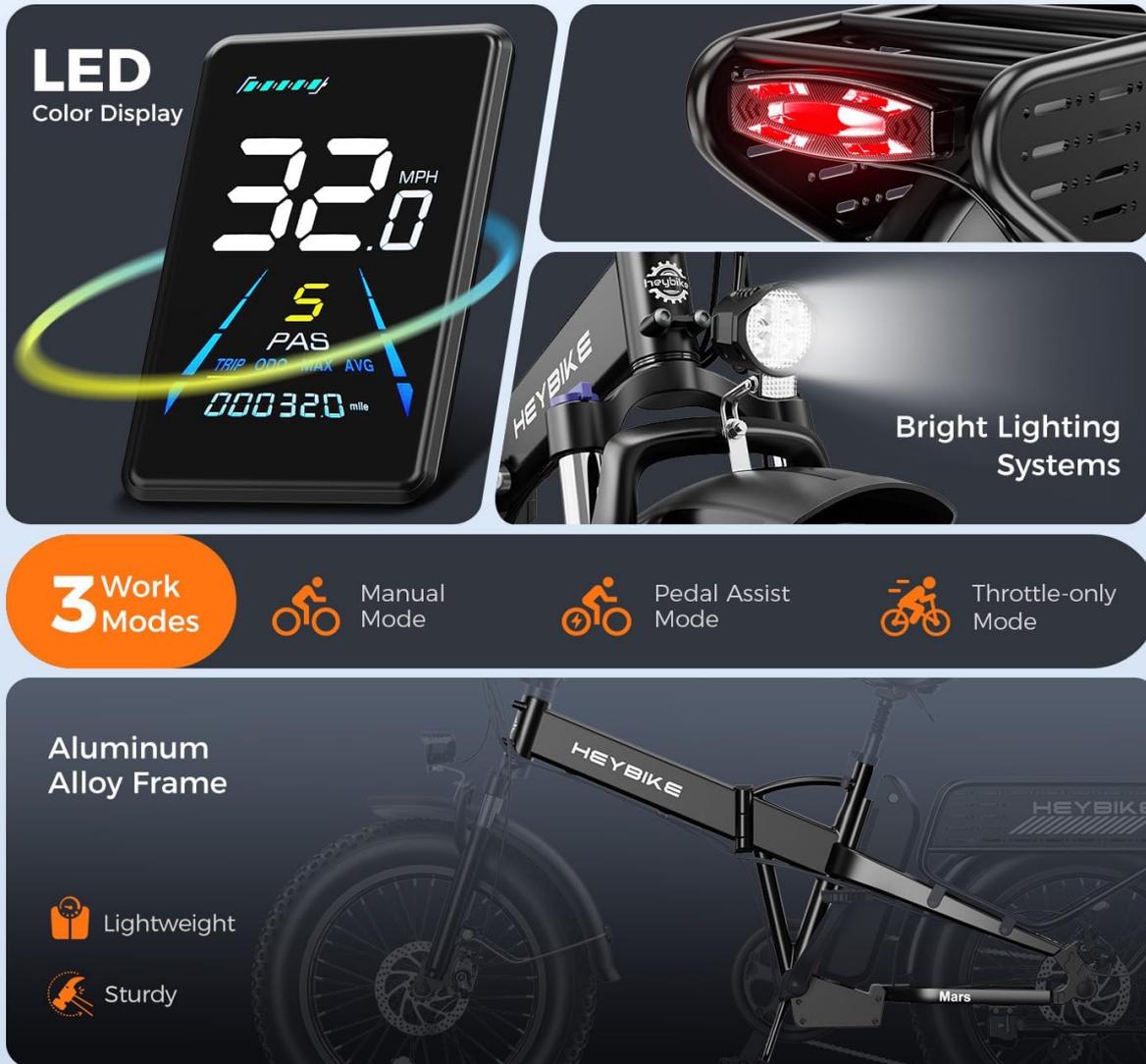


Image: Control panel and handlebar controls for the Heybike Mars 2.0.

4. CHARGING THE BATTERY

The 48V 13Ah lithium-ion battery can be charged while installed on the bike or removed for convenience. Ensure the power switch on the battery is turned off before charging.

1. Locate the charging port on the battery.
2. Connect the charger to the battery's charging port.
3. Plug the charger into a standard wall outlet.
4. The charger indicator light will show charging status (usually red for charging, green for fully charged).
5. Charging typically takes 5-6 hours. Do not overcharge.

Large-Capacity Removable Battery



Image: The removable 624WH battery of the Heybike Mars 2.0.

5. FOLDING THE BIKE

The Heybike Mars 2.0 is designed to fold for easy transport and storage. Follow these steps to fold your bike:

1. Lower the seat post to its lowest position.
2. Open the frame folding latch located in the middle of the main frame.
3. Fold the front half of the bike towards the rear.
4. Open the handlebar stem folding latch and fold the handlebars down.
5. Fold the pedals inward by pressing the release button on each pedal.

Your browser does not support the video tag.

Video: Demonstrating the folding mechanism of the Heybike Mars 2.0 for easy storage and transport.

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your Heybike Mars 2.0. Perform these checks periodically:

- **Tires:** Check tire pressure before each ride. Maintain pressure within the recommended range (usually indicated on the tire sidewall).
- **Brakes:** Inspect brake levers and calipers for proper function. Ensure brake pads are not excessively worn. Adjust as needed.
- **Chain:** Keep the chain clean and lubricated to prevent rust and ensure smooth gear changes.
- **Bolts and Fasteners:** Regularly check all bolts, nuts, and quick releases for tightness.
- **Battery:** Store the battery in a cool, dry place and charge it regularly, even if not in use, to maintain its health.
- **Cleaning:** Clean your e-bike with a damp cloth and mild soap. Avoid high-pressure washing directly on electrical components.

7. TROUBLESHOOTING

Here are solutions to common issues you might encounter:

- **E-bike not powering on:** Check if the battery is fully charged and properly installed. Ensure the battery's power switch is in the 'ON' position.
- **Motor not engaging:** Verify the pedal assist level is set above 0. Check if the brake levers are fully released, as they may cut motor power.
- **Loss of range:** This can be due to low tire pressure, riding in high assist modes, or riding against strong headwinds. Ensure tires are properly inflated and consider lower assist levels.
- **Brakes squealing:** This often indicates dirty brake rotors or pads. Clean them with a specific brake cleaner. If the issue persists, brake pads may need replacement or adjustment.

8. SPECIFICATIONS

| Feature | Specification |
|-------------------------|---------------|
| Bike Type | Folding Bike |
| Age Range (Description) | Adult |
| Brand | Heybike |
| Number of Speeds | 7 |

| Feature | Specification |
|--------------------------------|---|
| Color | Black+Grey |
| Wheel Size | 20 Inches |
| Frame Material | Aluminum |
| Suspension Type | Dual |
| Special Feature | 180MM Dual hydraulic disc brakes Adult Electric Bike, 20" x 4.0" Foldable Fat Tires ebike, 7-Speed Gears Cruiser ebike, App Control electric commuting bicycle for adults, Full Suspension e bike for adults electric |
| Included Components | Cargo Rack, Headlight, Mudguard, Reflectors, Tool Kit |
| Size | Medium |
| Brake Style | 180MM Hydraulic Brakes |
| Wheel Width | 4 Inches |
| Specific Uses For Product | Gravel, Jumping, Road, Snow, Trail |
| Item Weight | 75 Pounds |
| Theme | Sport |
| Style | Combo |
| Model Name | Mars 2.0 |
| Wattage | 1000 watts |
| Lithium Battery Energy Content | 600 Watt Hours |
| Maximum Weight Recommendation | 330 Pounds |
| Skill Level | Beginner |
| Fender Material | Plastic |
| Manufacturer | Dongguan Heybike Technology Co., LTD |
| Package Weight | 88 Pounds |
| Material | Aluminum |

9. WARRANTY AND SUPPORT

Your Heybike Mars 2.0 comes with a comprehensive warranty and dedicated customer support.

- **Warranty:** The product includes a 1-year warranty covering manufacturing defects.
- **Return Policy:** Enjoy a 30-day easy return policy for your peace of mind.
- **Protection Plans:** Additional protection plans, such as a 2-Year Protection Plan or Complete Protect, may be available for purchase.
- **Customer Support:** For any inquiries or assistance, please visit the [Jasion Ebike Customer Support page](#).