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GYMAX CA-GM2065

GYMAX Folding Electric Bicycle User Manual

MODEL: CA-GM2065

1. Introduction

Thank you for choosing the GYMAX Folding Electric Bicycle. This manual provides essential information for the safe operation, assembly, maintenance, and troubleshooting of your e-bike. Please read this manual thoroughly before your first ride to ensure proper use and to maximize your riding experience. Keep this manual for future reference.



Image 1.1: The GYMAX Folding Electric Bicycle, showcasing its compact folded form and full riding configuration.

2. Safety Guidelines

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.

- **Brakes:** Ensure both front and rear dual disk brakes are fully functional and responsive.
- **Tires:** Check tire pressure and inspect for any damage or wear. The 16-inch rubber tires are designed for various terrains.
- **Lights:** Verify that the bright headlight and rear light are working correctly for visibility, especially during low-light conditions.
- **Reflectors:** Ensure all reflectors are clean and properly positioned.
- **Battery:** Confirm the battery is securely locked in place before riding.
- **Folding Mechanisms:** Double-check that all folding mechanisms are securely latched before riding.



Image 2.1: Key safety components of the GYMAX e-bike, including lighting and reflective elements.

3. Assembly and Setup

The GYMAX Folding Electric Bicycle comes largely pre-assembled. Follow these steps for final setup and adjustments.

3.1 Unfolding the Bicycle

1. Carefully remove the bicycle from its packaging.
2. Unfold the main frame by releasing the frame latch. Ensure it clicks securely into place.
3. Raise the handlebar stem and secure the handlebar latch.
4. Unfold the pedals.
5. Adjust the saddle height to your comfort.



Image 3.1: Visual guide for the folding and unfolding process of the e-bike.

3.2 Adjusting Saddle Height

The saddle height is adjustable from 30.5" to 38.5" (77-98 cm) to accommodate riders of different heights (recommended 5.4-6.4 ft). Loosen the quick-release lever on the seat post, adjust the saddle to your desired height, and firmly close the lever.

4. Operating Instructions

4.1 Powering On/Off

To power on the e-bike, press and hold the power button on the LCD display. To power off, press and hold the power button again.

4.2 Riding Modes

Your GYMAX e-bike offers four distinct riding modes:

- **Pure Electric Mode:** Utilizes the throttle for propulsion without pedaling.
- **Pedal Assist Mode (EAS Mode):** The motor provides assistance as you pedal, extending your range up to 37 miles. The system intelligently adjusts speed based on pedaling frequency.
- **Regular Bike Mode:** Ride the e-bike like a traditional bicycle without motor assistance.
- **Cruise Mode:** Maintain a steady speed by holding the throttle for 8 seconds.



Image 4.1: Explanation of the four versatile riding modes available on the e-bike.

4.3 Smart LCD Display

The integrated LCD display provides real-time information about your ride:

- **Battery Level:** Indicates remaining battery charge.
- **Speed:** Displays current riding speed.
- **Trip Distance:** Shows the distance covered during your current ride.
- **Power Switch:** On/Off button for the system.
- **Upshift/Downshift:** Buttons to adjust pedal assist levels or other settings.



Image 4.2: Detailed view of the LCD display and its functions.

4.4 Charging the Battery

The 42V 10.4Ah lithium-ion battery can be charged in two ways:

- **On-bike Charging:** Connect the charger directly to the charging port on the bicycle.
- **Off-bike Charging:** The battery is removable, allowing you to take it indoors for convenient charging.

A full charge typically takes 4-5 hours. The battery features BMS protection to prevent overcharging or over-discharging, ensuring longevity and safety. A fully charged battery provides a maximum range of 20 miles in pure electric mode and up to 37 miles in pedal assist mode.



Image 4.3: Details of the high-capacity removable battery and its performance.

4.5 Motor Performance

The e-bike is equipped with a 500W brushless motor (650W peak power) that provides a maximum speed of 20 mph and can handle inclines up to 18 degrees. It features 3-speed gearing for varied riding conditions.



Image 4.4: Overview of the e-bike's motor and performance capabilities.

5. Maintenance

Regular maintenance ensures the longevity and safe operation of your e-bike.

- **Cleaning:** Clean the bicycle regularly with a damp cloth. Avoid using high-pressure water jets directly on electrical components.
- **Battery Care:** Store the battery in a cool, dry place. If storing for extended periods, charge it to 50-70% every 2-3 months.
- **Brake Inspection:** Periodically check brake pads for wear and ensure brake levers are firm. Adjust as needed.
- **Tire Pressure:** Maintain recommended tire pressure for optimal performance and safety.
- **Lubrication:** Lubricate the chain and other moving parts as necessary.

6. Troubleshooting

This section addresses common issues you might encounter.

- **E-bike not powering on:** Check if the battery is fully charged and properly seated. Ensure the power button on the LCD display is pressed correctly.
- **Motor not assisting:** Verify that you are in Pure Electric or Pedal Assist mode. Check battery level. Ensure all connections are secure.
- **Brakes feel loose:** Inspect brake cables and pads for wear. Adjust cable tension if necessary. Consult a professional if unsure.
- **Unusual noises:** Stop riding immediately and inspect the bicycle for loose parts, rubbing components, or damaged bearings.

For issues not listed here or if problems persist, please contact GYMAX customer support.

7. Specifications

Detailed technical specifications for the GYMAX Folding Electric Bicycle.

Feature	Specification
Model Number	CA-GM2065
Bike Type	Electric Bike, Commuting Bike
Motor	500W Brushless (650W Peak Power)
Battery	42V 10.4Ah Lithium-Ion (Removable)
Charging Time	4-5 hours
Max Speed	20 MPH
Max Range (Pure Electric)	20 Miles
Max Range (Pedal Assist)	37 Miles
Wheel Size	16 Inches
Brake Type	Dual Disc Brakes
Number of Speeds	3
Frame Material	Carbon Steel
Total Length	140 cm / 55 inches
Handlebar Height	112 cm / 44 inches
Adjustable Saddle Height	77-98 cm / 30.5-38.5 inches
Folding Size (L x W x H)	75 x 34 x 63 cm / 29.9 x 13.4 x 24.8 inches
Net Weight	25 kg / 56.2 lbs
Weight Limit	120 kg / 264.6 lbs

Feature	Specification
Recommended Height	160-190 cm / 5.4-6.4 ft



Image 7.1: Dimensional overview and key specifications of the e-bike.

8. Warranty and Support

For warranty information and customer support, please refer to the documentation provided at the time of purchase or visit the official GYMAX website. Keep your purchase receipt as proof of purchase for any warranty claims.

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