

SAMEBIKE YINYU14-II

SAMEBIKE YINYU14-II Electric Folding Bicycle User Manual

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your SAMEBIKE YINYU14-II electric folding bicycle. Please read this manual thoroughly before your first ride and keep it for future reference.



Figure 1.1: The SAMEBIKE YINYU14-II Electric Folding Bicycle.

2. PRODUCT FEATURES

2.1. Folding Design

The YINYU14-II features a convenient folding mechanism, allowing for easy storage and portability. This design makes it ideal for commuting, travel, or storing in compact spaces like car trunks or small apartments.

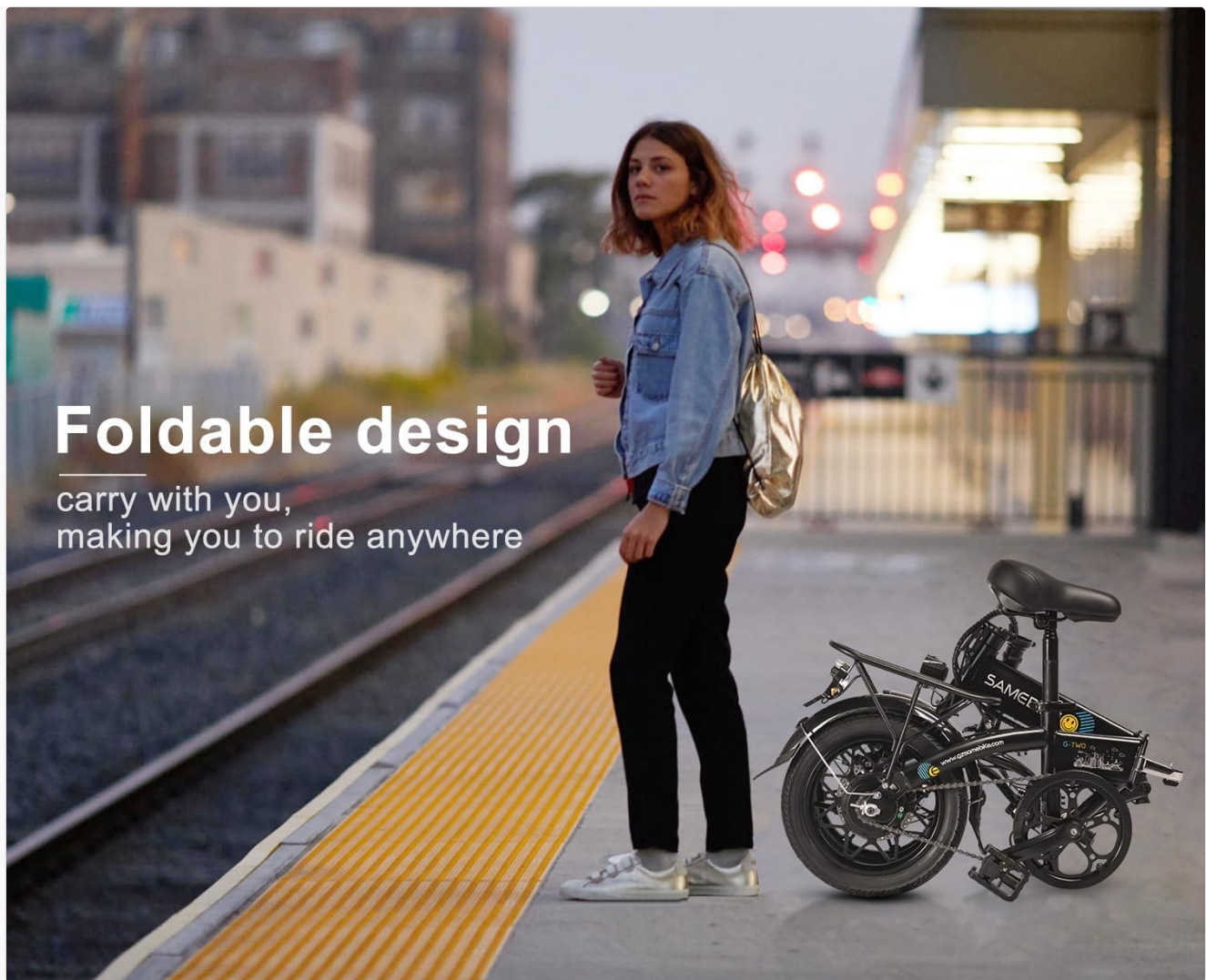


Figure 2.1: The bicycle's foldable design enhances portability.



Figure 2.2: The compact folded size allows for easy transport in vehicles.

2.2. Battery System

Equipped with a 36V 7.8Ah Lithium-Ion battery, the YINYU14-II offers a pure electric range of approximately 30KM and a pedal-assist range of over 60KM. A full charge typically takes 4-6 hours.

36V 7.8Ah

Lithium-Ion Battery

Upgraded 280.8Wh Large Capacity Battery
Supply Longer Riding



Figure 2.3: The 36V 7.8Ah Lithium-Ion battery provides extended range.

2.3. Braking System

The bicycle features upgraded front and rear $\Phi 160\text{mm}$ dual disc brakes, providing reliable and strong stopping power for enhanced safety.

Mechanical Disc Brakes

With 2 piston mechanical disc brakes, to get fast and effective brake

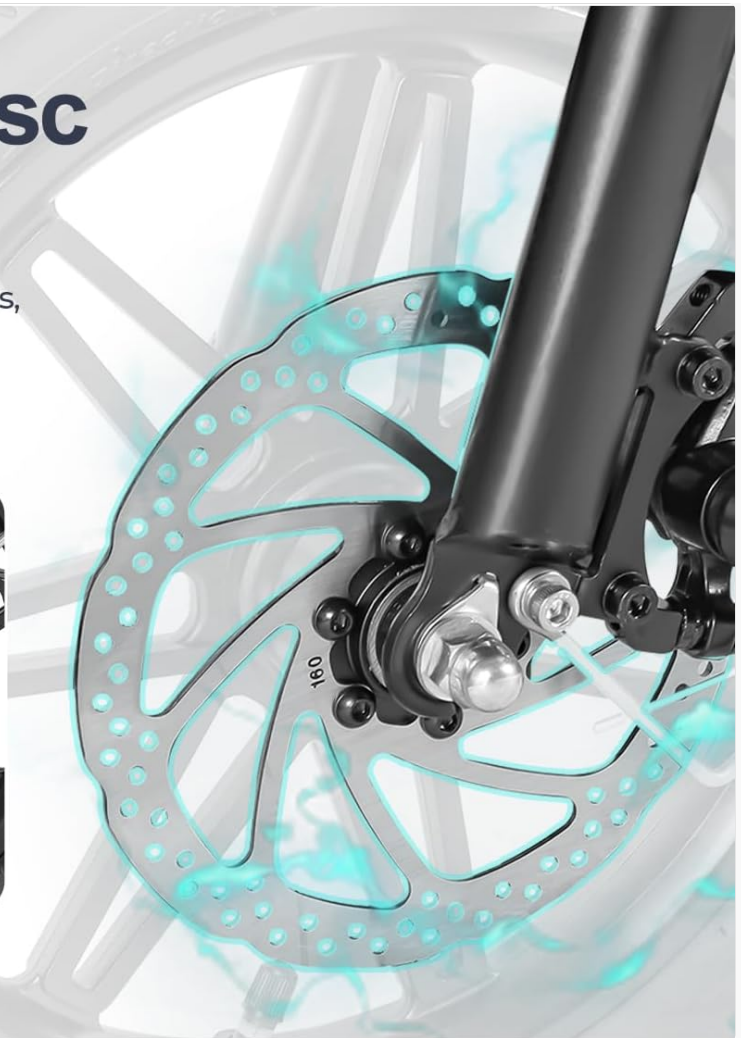


Figure 2.4: Mechanical disc brakes ensure effective stopping.



Steel Wire Dual Braking

160mm diameter perforated brake discs for great braking power



Figure 2.5: The 160mm diameter perforated brake discs provide great braking power.

2.4. Display and Controls

An intuitive LCD display provides real-time information such as speed, mileage (TRIP/ODO), and battery level. The handlebars include controls for the light switch, horn, and turn signals.

LCD DISPLAY

Turn signals and brakes



Smart LCD Dashboard



Light switch

Turn signal button

accelerator handle

horn

key switch



Figure 2.6: The LCD display and handlebar controls for easy operation.



Figure 2.7: The LED display clearly shows the battery level and other riding data.

2.5. Tires and Wheels

The bicycle is equipped with 14 x 2.15-inch tires, suitable for various road conditions, providing a stable and comfortable ride.



Figure 2.8: The 14-inch tires are designed for versatility across different terrains.

2.6. Safety Lighting System

For enhanced visibility and safety, the bike includes a front-mounted 250 lumen LED light and an eye-catching brake tail light.



Safety Lighting System

Incredible LED headlight with 250 lumens center beam illuminates your every journey.

Figure 2.9: The integrated safety lighting system for night riding.

3. SETUP AND ASSEMBLY

Your SAMEBIKE YINYU14-II comes over 90% pre-assembled. Follow these steps for final assembly:

1. Carefully remove the bicycle and all components from the packaging.
2. Unfold the bicycle frame and secure the folding mechanism latch.
3. Install the handlebars and adjust their height to a comfortable position.
4. Attach the pedals (note L/R markings).
5. Adjust the seat post height for proper leg extension.
6. Ensure all quick releases and bolts are securely tightened before riding.



Figure 3.1: The product packaging, indicating the model number YINYU14-II.

4. OPERATING INSTRUCTIONS

4.1. Charging the Battery

- Locate the charging port on the battery.

- Connect the charger to the port, then plug the charger into a standard wall outlet.
- The charger indicator light will show charging status (typically red for charging, green for full).
- Disconnect the charger once charging is complete.

4.2. Riding Modes

The SAMEBIKE YINYU14-II offers three riding modes:

- **Riding Mode (Pedal Only):** Ride the bicycle like a traditional bike without electric assistance.
- **Pedal Power Assisted Mode (PAS):** The motor provides assistance as you pedal. There are three adjustable levels of power assistance.
- **Pure Electric Mode:** Use the throttle to propel the bike without pedaling.

4.3. Starting and Stopping

- **To Start:** Turn the key switch to the 'ON' position. The LCD display will illuminate. For pure electric mode, gently twist the accelerator handle. For PAS mode, begin pedaling.
- **To Stop:** Apply the front and rear disc brakes smoothly and evenly. Release the throttle when braking.

4.4. Adjustments

- **Handlebar Height:** Loosen the quick release lever on the handlebar stem, adjust to desired height, and re-secure.
- **Seat Height:** Loosen the quick release lever on the seat post, adjust to desired height, and re-secure. Ensure your feet can comfortably touch the ground when stopped.

5. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your electric bicycle.

5.1. Battery Care

- Charge the battery regularly, even if not in use, to maintain its health.
- Avoid fully discharging the battery.
- Store the battery in a cool, dry place away from direct sunlight and extreme temperatures.

5.2. Tire Care

- Check tire pressure before each ride. Maintain pressure within the recommended range (usually printed on the tire sidewall).
- Inspect tires for wear, cuts, or punctures regularly.

5.3. Brake Maintenance

- Regularly inspect brake pads for wear and replace them when necessary.
- Ensure brake levers are firm and responsive. Adjust cable tension if needed.
- Keep brake discs clean and free of oil or grease.

5.4. General Cleaning

- Clean the bicycle with a damp cloth and mild soap. Avoid using high-pressure washers directly on electrical

components.

- Lubricate the chain regularly with bicycle chain lubricant.

6. TROUBLESHOOTING

Refer to the table below for common issues and their potential solutions.

Problem	Possible Cause	Solution
Bike not turning on	Battery not charged; Key switch off; Loose battery connection	Charge battery; Turn key switch on; Check battery connection
Short riding range	Low tire pressure; Battery degradation; Excessive load; Frequent uphill riding	Inflate tires to correct pressure; Consult customer support for battery check; Reduce load; Use PAS mode more
Brakes not effective	Worn brake pads; Loose brake cable; Contaminated brake discs	Replace brake pads; Adjust brake cable tension; Clean brake discs with alcohol
Motor not assisting	PAS level too low; Sensor issue; Motor connection issue	Increase PAS level on display; Check all electrical connections; Contact customer support

7. SPECIFICATIONS

Key technical specifications for the SAMEBIKE YINYU14-II electric folding bicycle:

Feature	Specification
Model Number	YINYU14-II
Bike Type	Electric Folding Bike
Wheel Size	14 Inches
Motor Power	250W (High-speed brushless)
Max Speed	25 KM/H
Battery	36V 7.8Ah Lithium-Ion
Pure Electric Range	Approx. 30 KM
Pedal-Assist Range	Over 60 KM
Charging Time	4-6 Hours
Brake Type	Front & Rear Disc Brakes (Φ160mm)

Feature	Specification
Frame Material	Carbon Steel
Max Load Capacity	120 KG (265 lbs)
Bicycle Weight	Approx. 21 KG (46.2 lbs)
Recommended Rider Height	1.3 - 1.8 M (4'3" - 5'11")
Display	LCD Digital Display



Figure 7.1: Detailed product dimensions and recommended rider height.

8. WARRANTY AND SUPPORT

SAMEBIKE is dedicated to providing comprehensive after-sales service. For any issues, warranty claims, or technical support, please contact SAMEBIKE customer service through the retailer or the official SAMEBIKE

website. Please retain your proof of purchase for warranty validation.

