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APYEAR 14in A1 With Lock

APYEAR Electric Folding Bike User Manual

Brand: APYEAR | Model: 14in A1 With Lock

1. Introduction

This manual provides essential information for the safe and efficient operation and maintenance of your APYEAR 14in A1 Electric Folding Bike. This electric bicycle is designed for adults, featuring a 450W motor and a 576Wh 12Ah removable battery, offering a range of 20+ miles and a top speed of 20 Mph. It incorporates multi-shock absorption for a comfortable commuting experience and is UL 2849 certified for safety.
Please read this manual thoroughly before your first ride to ensure proper assembly, operation, and to understand all safety guidelines.

2. Setup and Initial Preparation

2.1 Unpacking and Assembly

Your APYEAR electric bike arrives 95% pre-assembled. Minimal assembly is required, primarily involving unfolding the bike and securing components. A tool kit is included in the package for this purpose.



Figure 2.1: The APYEAR 14in A1 Electric Folding Bike in its unfolded state, with an inset showing its compact folded form. The folding design allows for easy portability and storage.

2.2 Initial Battery Charge

Before your first ride, it is crucial to fully charge the battery. Connect the charger to the bike's charging port or remove the battery for charging. Allow 4-5 hours for a complete charge. Ensure the battery power is securely connected before riding.

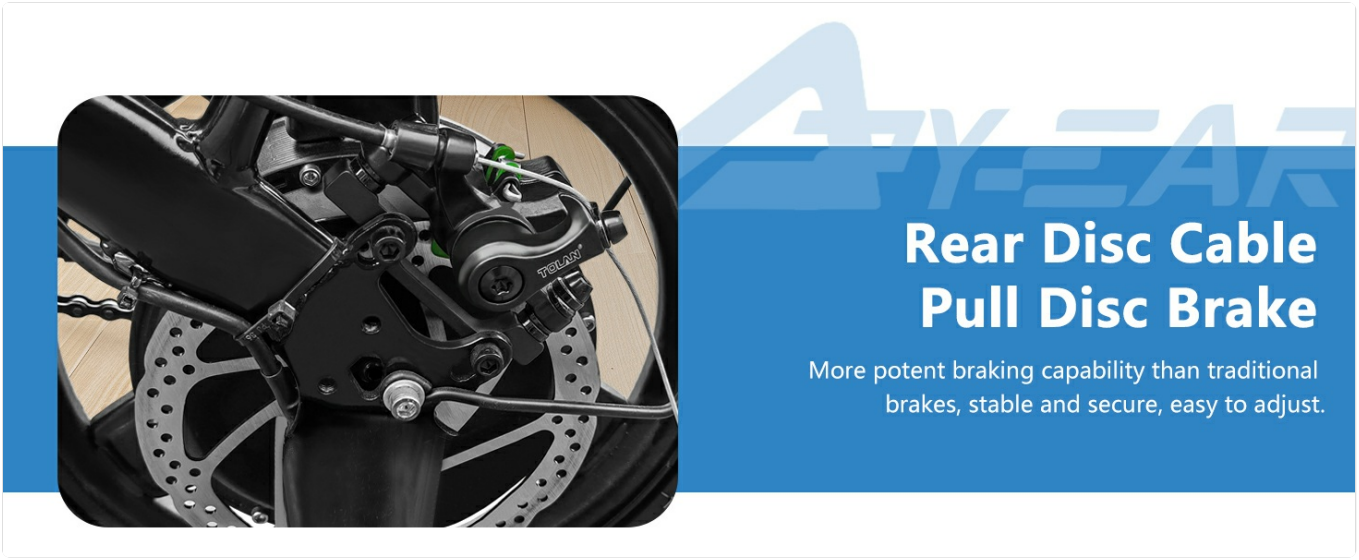

Figure 2.2: The removable battery feature of the APYEAR electric bike. The battery can be charged while installed on the bike or removed for convenient charging indoors. A key is required for removal, enhancing security.

2.3 Adjusting Seat and Handlebar

For optimal comfort and control, adjust the seat and handlebar height to suit your riding posture. Ensure all quick-release levers are securely fastened after adjustment.



Figure 2.3: Details of the adjustable seat cushion and the smart LCD display. The seat and handlebar are height-adjustable to accommodate various rider heights.

3. Operating Instructions

3.1 Riding Modes

Your APYEAR electric bike offers three distinct riding modes to adapt to different preferences and terrains:

- **Pure Electric Mode:** Engage the throttle to ride without pedaling. The 350W brushless motor provides propulsion.

- **Pedal-Assist Mode:** Pedal normally while the motor provides assistance, making rides easier, especially uphill or over long distances. This mode can extend your range significantly.
- **Normal Bicycle Mode:** Ride the bike like a traditional bicycle with no motor assistance.



Figure 3.1: Visual representation of the three riding modes available on the APYEAR electric bike, allowing riders to choose based on their needs and battery level.

3.2 Smart LCD Display

The bike is equipped with a smart LCD display (M5 color display) that provides essential information such as speed,

battery level, and riding mode. Refer to the detailed manual provided with your bike for specific instructions on navigating and utilizing all display functions.

3.3 Lighting System

The electric bike features super bright LED headlights and red warning taillights to ensure enhanced visibility and safety during nighttime riding. Always ensure your lights are functional before riding in low-light conditions.



Figure 3.2: The electric bike's integrated lighting system, including a powerful LED headlight and a red warning taillight, designed to improve rider safety and visibility at night.

4. Maintenance

4.1 Battery Care

- Always use the original charger provided with your bike.
- Avoid completely draining the battery. Charge it regularly, especially after long rides.
- Store the battery in a cool, dry place when not in use, and charge it periodically if stored for extended periods.
- Keep the four keys provided with the bike in a safe place, as they are essential for battery removal and power activation.

4.2 Brake System

The APYEAR electric bike is equipped with a reliable disc brake system. Regularly inspect the brake pads and rotors for wear. If you notice reduced braking performance or unusual noises, have the brakes inspected and adjusted by a qualified technician.



Figure 4.1: The rear disc brake system, providing effective stopping power. Regular inspection of brake components is recommended for safety.

4.3 General Care

- Keep the bike clean, especially after riding in wet or dusty conditions.
- Regularly check all bolts and fasteners to ensure they are tight and secure.
- Inspect tires for proper inflation and wear.

5. Troubleshooting

This section addresses common issues you might encounter with your electric bike. For more detailed troubleshooting or issues not listed here, please contact customer support.

5.1 Power Issues

- **Bike not turning on:** Ensure the battery is fully charged and properly seated. Check that the battery key is in the 'on' position and turned to activate power.
- **Motor not engaging:** Verify that the bike is in an electric or pedal-assist mode. Check the display for any error codes.

5.2 Performance Issues

- **Reduced range or speed:** This can be affected by rider weight, terrain, wind, and tire pressure. Ensure tires are properly inflated and the battery is fully charged. Battery performance may decrease in very cold weather.
- **Unusual noises:** Check for loose components, especially around the wheels, brakes, and folding mechanisms. Ensure all bolts are tightened.

5.3 Display Issues

- **Display not working:** Check all cable connections to the display. Ensure the main power is on.
- **Incorrect readings:** If speed or other readings appear inaccurate, consult the full user manual for display calibration or contact support.

6. Specifications

Bike Type	Electric Bike
Age Range	Adult
Brand	APYEAR
Model Name	Folding Electric bicycle black (14in A1 With Lock)
Number of Speeds/Modes	3
Color	Black
Wheel Size	14 Inches
Frame Material	Aluminum
Suspension Type	Front (and seat/mid-mount damping)
Special Feature	Foldable
Brake Style	Disc
Motor Wattage	350 Watts
Battery Capacity	48V 12Ah (576 Wh) Lithium Battery
Max Speed	20 MPH
Range (Pure Electric)	20+ Miles

Max Weight Recommendation	265 Pounds
Certifications	UL 2849 Certified

7. Warranty and Support

7.1 Warranty Information

The APYEAR electric bike comes with a 90-day warranty covering non-human damage. Please retain your purchase receipt as proof of purchase for warranty claims.

7.2 Customer Support

For any questions, concerns, or technical assistance, please reach out to APYEAR customer service via email or online support channels. Contact information can typically be found on the product packaging or the official APYEAR website.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Answered questions about this manual

I need a new key switch for an APYEAR 14in A1 foldable e-bike. What is the part number and what phone number should I call to place an order?

The user manual for the APYEAR 14in A1 Electric Folding Bike does not list specific individual part numbers for the key switch or ignition assembly. However, the manual notes that the bike comes with...

Read full answer

Where is the cable to connect the battery on the APYEAR 14in A1 Electric Folding Bike to ride in Pure Electric Mode?

On the APYEAR 14in A1 Electric Folding Bike, there is typically no loose external cable that you need to plug in to connect the battery to the motor. The battery connects internally when it...

Read full answer

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