

RPINT E14

RPINT E14 Folding Electric Bike User Manual

Model: E14

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, assembly, and maintenance of your RPINT E14 Folding Electric Bike. Please read this manual thoroughly before using the product to ensure proper function and safety.

2. SAFETY INFORMATION

Always prioritize safety when operating your electric bike. Failure to follow safety guidelines can result in injury or damage to the product.

- Wear a helmet and appropriate safety gear at all times.
- Familiarize yourself with local traffic laws and regulations regarding electric bikes.
- Perform a pre-ride inspection before each use, checking brakes, tire pressure, and battery level.
- Do not operate the bike under the influence of alcohol or drugs.
- Avoid riding in adverse weather conditions or on slippery surfaces.
- Ensure all quick-release mechanisms and folding joints are securely locked before riding.
- The maximum weight recommendation for this bike is 300 pounds (136 kg).

3. PACKAGE CONTENTS

Upon unpacking, verify that all components are present:

- RPINT E14 Electric Bike (partially assembled)
- Battery
- Charger
- User Manual (this document)
- Assembly Tools (if included)

4. ASSEMBLY AND SETUP

The RPINT E14 Electric Bike requires some assembly. Follow these steps carefully:

1. **Unfolding the Bike:** Carefully unfold the frame and handlebars. Ensure all locking mechanisms are engaged and secure.
2. **Handlebar Adjustment:** Adjust the handlebar height to a comfortable riding position and secure it firmly.
3. **Seat Post Installation and Adjustment:** Insert the seat post into the frame. Adjust the seat height to allow for a slight bend in your knee when the pedal is at its lowest point. Secure the quick-release lever.
4. **Pedal Installation:** Identify the left (L) and right (R) pedals. Thread the pedals into the crank arms by hand, then tighten securely with a wrench. Note that the left pedal has a reverse thread.
5. **Battery Installation:** Insert the battery into its compartment and ensure it is securely locked. Refer to the "Battery Operation and Charging" section for details.
6. **Pre-Ride Checks:** Before your first ride, double-check all bolts, quick releases, and folding joints for tightness. Verify brake function and tire pressure.



Figure 4.1: The RPINT E14 Folding Electric Bike in its unfolded state.



Figure 4.2: The RPINT E14 features a foldable design for convenient storage and transport.

5. OPERATING INSTRUCTIONS

5.1. Powering On/Off and Display

The bike is equipped with an LED display to show battery level and other information. Use the keyswitch to power the bike on or off.

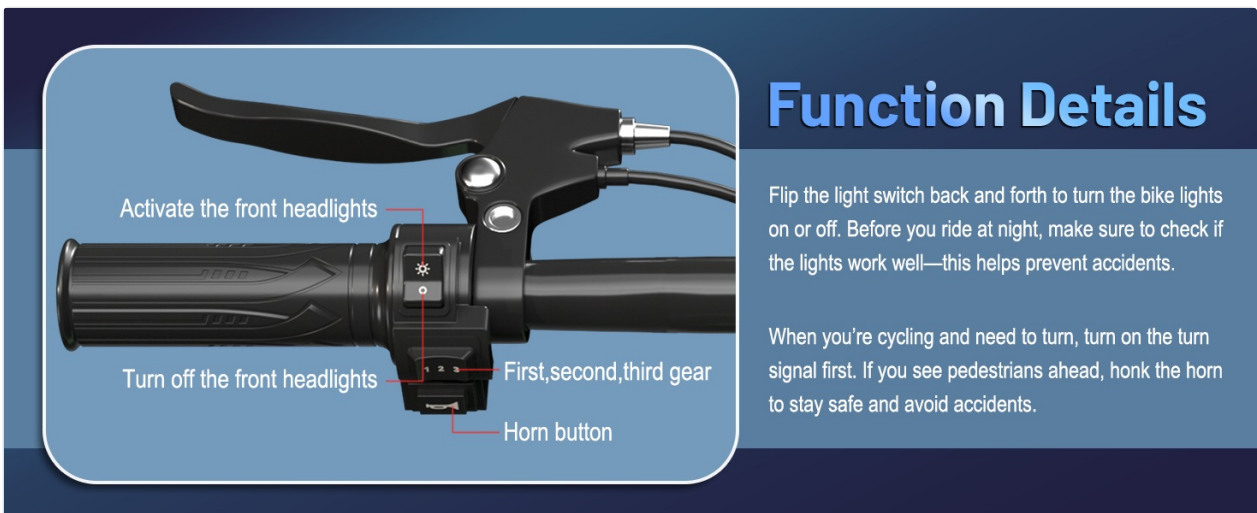


Figure 5.1: The LED display indicates battery charge and other operational data. It includes the handbrake, keyswitch, and throttle.

5.2. Riding Modes

The RPINT E14 offers three distinct riding modes:

- **Pedal-Only Mode:** Functions as a traditional bicycle without electric assistance.
- **Pedal Assist System (PAS) Mode:** Provides electric motor assistance while you pedal. There are 3 adjustable levels of support. This mode offers a range of 12-18 miles per charge.
- **Pure Electric Mode (Throttle):** Engages the motor via the throttle for fully electric propulsion without pedaling.



Figure 5.2: Illustration of the three riding modes: Throttle, Pedal Assist, and Bike Mode.

5.3. Battery Operation and Charging

The E14 is equipped with a 10 AH removable battery. It takes approximately 5-6 hours to fully recharge.

- **Charging:** Connect the charger to the bike's charging port or remove the battery for off-bike charging. The charger indicator light will change when fully charged.
- **Removable Design:** The battery can be easily removed for convenient charging at home or in the office.
- **First Charge:** For optimal battery life, ensure the first charge is 4-5 hours.
- **Safety Features:** The battery includes short-circuit protection, temperature protection, and over-voltage protection. It also features an anti-theft design with a key.

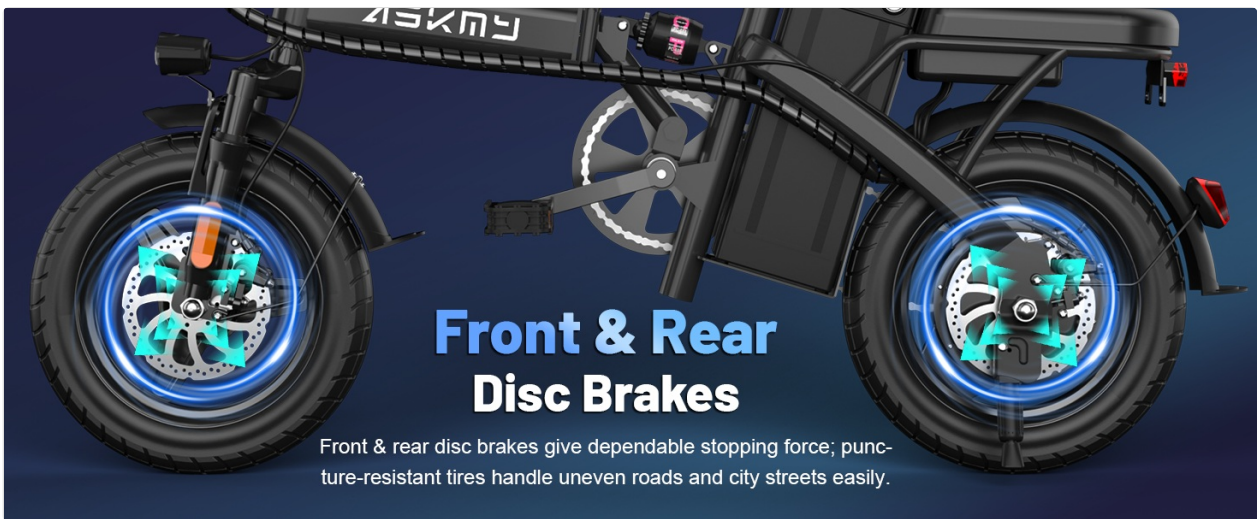


Figure 5.3: The removable battery can be charged directly on the bike or separately.

5.4. Controls and Lighting

The handlebars feature controls for lighting and gear selection.

- **Headlights:** Activate the front headlights using the designated switch for visibility during night riding or in low-light conditions.
- **Taillights:** The bike is equipped with taillights for rear visibility.
- **Horn:** Use the horn button to alert pedestrians or other riders.



Figure 5.4: Front headlights and rear taillights enhance visibility and safety.



Figure 5.5: Handlebar controls for lights, gear selection, and horn.

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your RPINT E14 Electric Bike.

- **Tire Pressure:** Check tire pressure regularly and inflate to the recommended PSI. The 14-inch tubeless tires are designed for durability.
- **Brakes:** Inspect front and rear mechanical disc brakes for wear and proper function. Adjust as needed.
- **Chain:** Keep the chain clean and lubricated to prevent rust and ensure smooth operation.
- **Battery Care:** Store the battery in a cool, dry place. Avoid fully discharging the battery for extended periods. Charge regularly, even if not in use.
- **General Cleaning:** Clean the bike with a damp cloth. Avoid using high-pressure washers directly on electrical components.
- **Folding Mechanisms:** Periodically check and lubricate folding joints to ensure smooth operation and secure locking.



Figure 6.1: The bike is equipped with front and rear disc brakes for reliable stopping power.



Figure 6.2: The 500W peak motor provides electric assistance.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your RPINT E14 Electric Bike.

Problem	Possible Cause	Solution
Bike does not power on.	Battery is low or not properly installed. Keyswitch is off.	Charge the battery. Ensure the battery is fully seated and locked. Turn the keyswitch to the ON position.
Motor not assisting (PAS/Throttle).	Battery is low. PAS level is set to 0. Brake levers are engaged.	Charge the battery. Increase PAS level. Release brake levers completely.
Brakes feel weak.	Brake pads worn. Brake cable loose.	Inspect and replace brake pads if necessary. Adjust brake cable tension.
Unusual noises during riding.	Loose components. Lack of lubrication.	Check all bolts and connections. Lubricate chain and moving parts.

8. SPECIFICATIONS

Key technical specifications for the RPINT E14 Folding Electric Bike:

Feature	Detail
Model Name	E14
Brand	RPINT
Bike Type	City Bike, Electric Bike
Motor	500W Peak Motor
Max Speed	Up to 20 MPH
Battery	10 AH (Removable)
Charging Time	5-6 hours
PAS Range	12-18 miles per charge
Riding Modes	Pedal-Only, Pedal Assist (3 levels), Pure Electric (Throttle)
Wheel Size	14 Inches
Tires	Puncture-resistant, Tubeless
Brakes	Front and Rear Mechanical Disc Brakes
Frame Material	High Carbon Steel
Suspension Type	Rigid (with 5-unit shock absorption system)
Item Weight	56 Pounds (25.4 kg)
Maximum Weight Recommendation	300 Pounds (136 kg)
Suggested User Height	158-195 cm (5'2" - 6'5")

Feature	Detail
Special Features	Adjustable Handlebars, Adjustable Seat, Dual Disc Brake, Foldable, Headlight

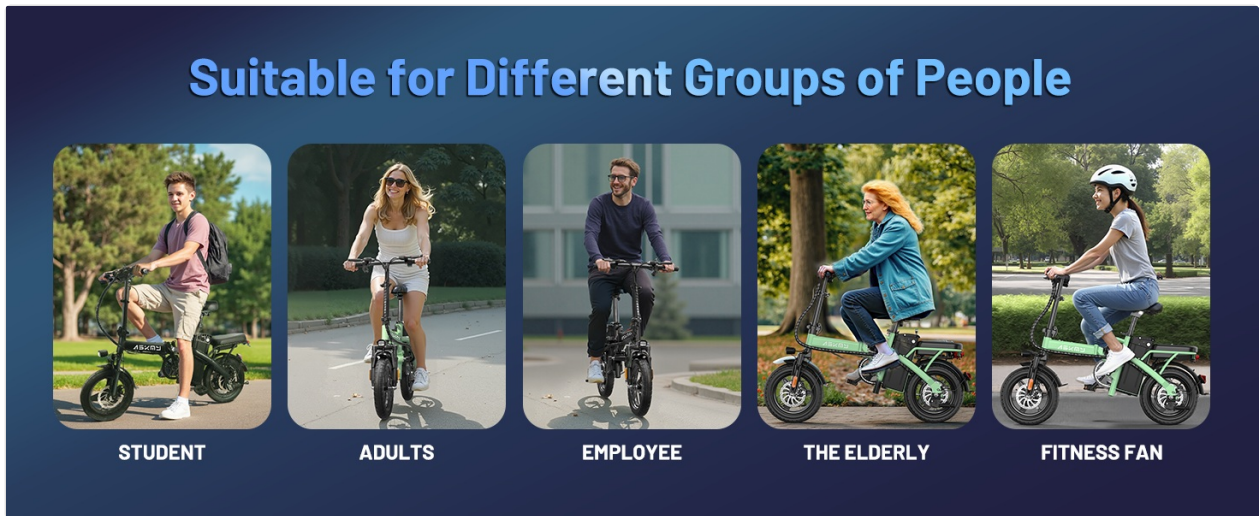


Figure 8.1: Detailed dimensions and maximum load capacity of the RPINT E14 Electric Bike.



Figure 8.2: The 5-unit shock absorption system provides a comfortable ride.



Figure 8.3: The 14-inch tubeless tires are designed for stability and durability across various terrains.

9. WARRANTY AND SUPPORT

The RPINT E14 Electric Bike comes with a **1 Year Limited Warranty**.

For warranty claims, technical support, or any questions regarding your product, please contact RPINT customer service through the retailer where the product was purchased. Please have your purchase receipt and product model number (E14) available when contacting support.