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RCB EV10Z-11.4 Ah

RCB EV10Z-11.4 Ah Electric Scooter User Manual

Model: EV10Z-11.4 Ah

1. Safety Information

Read all safety warnings and instructions carefully before operating the electric scooter. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury.

1.1 General Safety Warnings

- **Warning 1:** It is strictly forbidden to ride electric scooters on main roads and public thoroughfares. Please check your local regulations and guidelines before purchase to avoid unnecessary issues.
- **Warning 2:** Do not charge the battery while using the scooter.
- Always wear a helmet and appropriate protective gear (knee pads, elbow pads) when riding.
- Do not ride in wet conditions, heavy rain, or through puddles deeper than 2 cm.
- Avoid riding on slippery surfaces, loose gravel, or uneven terrain.
- Maintain a safe distance from other vehicles and pedestrians.
- Do not allow children under the age of 16 to operate the scooter.
- Do not exceed the maximum load capacity of 120 kg.
- Regularly inspect the scooter for any damage or loose parts before each ride.

1.2 Lighting and Visibility

The scooter is equipped with a bright headlight and rear brake lights to enhance visibility, especially during night rides.



The scooter features a bright headlight for night visibility and safe brake taillights that activate upon braking to warn others.

2. Setup and Assembly

Upon receiving your RCB EV10Z-11.4 Ah Electric Scooter, ensure all components are present and follow these steps for initial setup.

2.1 Unpacking and Component Check

Carefully remove the scooter and all accessories from the packaging. Verify that the following items are included:

- 1 x EV10Z Electric Scooter
- 1 x Charger
- 6 x Screws
- 1 x L-shaped Allen Key
- 1 x RCB Hanging Bag

If any accessories are missing, please contact customer support immediately.

2.2 Handlebar Assembly

1. Carefully lift the handlebar stem to its upright position until it locks into place.
2. Attach the handlebars to the stem using the provided screws and Allen key. Ensure they are securely fastened.
3. Check all pre-assembled parts for tightness.

2.3 Initial Charge

Before first use, fully charge the scooter's battery. The charging time is approximately 6 hours.

3. Operating Instructions

Familiarize yourself with the scooter's controls and features for a safe and enjoyable ride.

3.1 Power On/Off and Display

- To power on, press and hold the power button on the LED display.
- The LED display shows current speed, battery status, and mileage.
- To power off, press and hold the power button again.



The LED display allows you to monitor your speed, battery level, and select riding modes.

3.2 Riding Modes

The scooter offers three speed modes to suit different riding needs:

- **Pedestrian Mode (E):** Up to 10 km/h
- **Standard Mode (D):** Up to 15 km/h
- **Sport Mode (S):** Up to 20 km/h

Switch between modes using the control panel or the mobile application.

3.3 Braking System

The EV10Z is equipped with a dual braking system for enhanced safety:

- **Disc Brake:** Located on the rear wheel, activated by the brake lever on the handlebar.
- **Electronic Brake:** Provides additional stopping power and energy recovery.

Always apply both brakes simultaneously for optimal stopping performance.



The dual braking system ensures reliable and safe stopping.

3.4 Smart APP Connection

Connect your scooter to the dedicated mobile application via Bluetooth to access additional features:

- Lock/Unlock the scooter.
- Adjust individual speed settings.
- Control headlights.
- View detailed ride statistics (speed, mileage, battery level).
- Access navigation features.



The smart app provides comprehensive control and monitoring of your scooter.

4. Maintenance

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

4.1 General Checks

- **Before Each Use:** Check and retighten all screws, especially on the handlebars and folding mechanism.
- Inspect the brakes for proper function and wear.
- Ensure the tires are free from damage. The 10-inch solid rubber tires require no inflation or puncture repair.
- Verify that the headlight and taillight are working correctly.

4.2 Battery Care

- Charge the battery fully after each use, or at least once a month if not used regularly, to maintain battery health.

- Do not overcharge or completely drain the battery.
- Store the scooter in a cool, dry place away from direct sunlight and extreme temperatures.

4.3 Cleaning

- Clean the scooter with a damp cloth. Do not use high-pressure water jets or corrosive cleaning agents.
- The scooter has an IP54 water resistance rating, meaning it is protected against splashing water and dust. Avoid submerging it in water.



The IP54 rating provides protection against splashing water and dust for various riding conditions.

5. Troubleshooting

This section addresses common issues you might encounter with your RCB EV10Z-11.4 Ah Electric Scooter.

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Scooter does not power on	Low battery; Loose connections; Power button malfunction	Charge the battery; Check all cable connections; Contact support if issue persists.
Reduced range or speed	Low battery; Overload; Riding uphill; Cold weather	Fully charge battery; Ensure rider weight is within limits; Avoid steep inclines; Battery performance may decrease in cold.
Brakes not effective	Worn brake pads; Loose brake cable; Brake system malfunction	Inspect and replace brake pads if worn; Adjust brake cable tension; Contact support for brake system issues.
Unusual noises during operation	Loose components; Debris in wheels; Motor issue	Check for loose screws and tighten; Inspect wheels for debris; Contact support if motor noise persists.

For issues not listed here or if solutions do not resolve the problem, please contact RCB customer support.

6. Specifications

Detailed technical specifications for the RCB EV10Z-11.4 Ah Electric Scooter.

Feature	Specification
Model	EV10Z ABE
Motor Power	350 W
Battery Capacity	11.4 Ah
Max Speed	20 km/h
Max Range	35-40 km
Max Load	120 kg
Max Incline	15%
Tires	10-inch Non-Pneumatic Rubber Tires
Braking System	Disc Brake + Electronic Brake
Suspension	Front Wheel Spring Shock Absorber
Charging Time	Approx. 6 hours
Unfolded Dimensions (L x W x H)	112.8 x 48 x 125.5 cm
Folded Dimensions (L x W x H)	112.8 x 48 x 59 cm
Vehicle Weight	18.2 kg
Frame Material	Aluminum
Water Resistance Rating	IP54



The 350W motor provides strong performance, supporting a max speed of 20 km/h and a max load of 120 kg.



The front wheel spring shock absorber contributes to a comfortable riding experience.



The scooter features a 3-second folding mechanism for easy transport and storage, with detailed dimensions shown.

7. Warranty and Support

For any questions, missing parts, or technical assistance, please contact RCB customer support.

- **Customer Service:** Refer to your purchase documentation or the RCB official website for contact information.
- **Product Registration:** Register your product online to receive updates and support.

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