RCB RE24

RCB RE24 Electric Scooter User Manual

Model: RE24
Brand: RCB

1. Important Safety Information

Before operating your RCB RE24 Electric Scooter, please read this manual thoroughly and retain it for future reference. Failure to follow the instructions and safety warnings could result in serious injury or damage to the scooter.

- Always wear a helmet and appropriate safety gear (knee pads, elbow pads) when riding.
- Do not ride in wet conditions, heavy rain, or through puddles deeper than 2 cm.
- Ensure all bolts and quick-release mechanisms are securely fastened before each ride.
- Familiarize yourself with local laws and regulations regarding electric scooter usage.
- Maintain a safe speed and distance from other vehicles and pedestrians.
- Avoid sudden braking, especially at high speeds, as this may cause loss of control.
- Do not allow children under the recommended age to operate the scooter.
- The maximum load capacity is 120 kg. Do not exceed this limit.



Figure 1: Emphasizing safe riding with visible turning indicators and front/rear lights.

2. Product Overview

The RCB RE24 Electric Scooter is designed for efficient urban mobility and comfortable rides, featuring a powerful motor, long-lasting battery, and advanced safety systems.



Figure 2: The RCB RE24 Electric Scooter, showcasing its robust design and integrated digital display.

Key Components:

- **Handlebar:** Equipped with grips, brake levers, throttle, and digital display.
- **Digital Display:** Shows speed, battery level, speed mode, and other riding data.
- **Front and Rear Lights:** For visibility and safety during night rides.
- **Turning Indicators:** Integrated for signaling turns.
- **Folding Mechanism:** Allows for compact storage and transport.
- **Deck:** Wide and anti-slip for stable footing.
- **10-inch Explosion-Proof Tires:** Designed for durability and self-repairing capabilities.
- **Dual Suspension System:** Front and rear shock absorbers for a smooth ride.
- **Dual Braking System:** Front and rear disc brakes combined with an electronic brake for reliable stopping power.



Figure 3: Detail of the dual suspension system and dual braking system for enhanced comfort and safety.

3. Setup and Initial Use

3.1 Unfolding the Scooter:

1. Place the scooter on a flat surface.
2. Locate the folding latch mechanism near the base of the handlebar stem.
3. Release the latch and carefully lift the handlebar stem until it locks into the upright position. Ensure it clicks securely into place.
4. Adjust the handlebar height if applicable and secure the quick-release clamp.



Figure 4: Visual guide for the folding mechanism, demonstrating its compact size when folded.

3.2 Initial Charging:

Before your first ride, fully charge the scooter's battery. The charging time is approximately 6-8 hours.

1. Ensure the scooter is powered off.
2. Locate the charging port, usually covered by a rubber flap, on the side of the deck.
3. Connect the charger to the charging port, then plug the charger into a standard wall outlet.
4. The indicator light on the charger will change (e.g., from red to green) when charging is complete.
5. Disconnect the charger and securely close the charging port cover.



Figure 5: Information on battery capacity and estimated charging time for optimal performance.

4. Operating Instructions

4.1 Powering On/Off:

Press and hold the power button on the display for a few seconds to turn the scooter on or off.

4.2 Speed Modes:

The RCB RE24 features 3 speed modes. Press the mode button (often indicated by a gear icon) on the display to cycle through the available speed settings. The current mode will be displayed on the screen.



Figure 6: Illustrating the scooter's capabilities including 3-speed modes for varied riding experiences.

4.3 Riding the Scooter:

1. Place one foot firmly on the deck and push off with the other foot to gain initial momentum.
2. Once moving, gently press the throttle lever to engage the motor.
3. Place your second foot on the deck.
4. To slow down, release the throttle. To brake, gently squeeze the brake levers.

4.4 App Control:

The RE24 Electric Scooter is app-enabled, allowing for enhanced control and monitoring. Download the official RCB app from your smartphone's app store.

- **Pairing:** Follow the in-app instructions to pair your scooter via Bluetooth.
- **Features:** The app allows you to control cruise control, adjust speed modes, view battery duration, access riding data, and manage headlights.



Figure 7: The intelligent app dashboard, providing control over various scooter functions and displaying riding data.

5. Maintenance

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

5.1 Battery Care:

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

5.2 Tire Maintenance:

The 10-inch explosion-proof tires are designed for durability and self-repair. While they require less maintenance than pneumatic tires, regular inspection is still recommended.

- Periodically check tires for any visible damage or embedded debris.

- Clean tires to remove dirt and grime that could affect grip.

5.3 Brake System:

Regularly check the front and rear disc brakes and the electronic brake for proper function. Ensure brake levers provide firm resistance and the scooter stops effectively.

5.4 General Cleaning:

Wipe down the scooter with a damp cloth. Do not use high-pressure water jets or immerse the scooter in water.

6. Troubleshooting

Problem	Possible Cause	Solution
Scooter does not power on.	Low battery; loose connections; power button issue.	Charge the battery; check all visible connections; try pressing the power button firmly.
Reduced range or power.	Battery not fully charged; aging battery; riding conditions (uphill, heavy load).	Ensure full charge; consider battery replacement if old; adjust riding style.
Brakes feel weak or too strong.	Brake cable adjustment needed; worn brake pads.	Adjust brake cable tension; inspect and replace brake pads if necessary.
App connection issues.	Bluetooth off; app outdated; scooter not in pairing mode.	Ensure Bluetooth is on; update app; restart scooter and app; try re-pairing.
Unusual noises during operation.	Loose components; debris in wheels; motor issue.	Inspect for loose parts and tighten; check wheels for obstructions; if motor issue, contact support.

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

7. Specifications

Feature	Detail
Model Name	RE24
Motor Power	800 W
Max Speed	25 km/h
Battery Capacity	15.6 Ah
Max Range	50-60 KM
Tire Size	10 inches (Explosion-Proof, Self-Repairing)
Braking System	Front and Rear Disc Brakes + Electronic Brake
Suspension	Dual Shock Absorbers (Front & Rear)
Folded Dimensions	118 x 21.4 x 53 cm
Unfolded Dimensions	118 x 21.4 x 140 cm

Feature	Detail
Net Weight	28.5 kg
Material	Aluminum



Figure 8: Key dimensions and performance indicators of the RCB RE24 Electric Scooter.

8. Warranty and Support

For warranty information, please refer to the warranty card included with your product or visit the official RCB website. Keep your purchase receipt as proof of purchase for warranty claims.

If you encounter any issues or require technical assistance, please contact RCB customer support through their official channels. Contact details are typically available on the manufacturer's website or in the product packaging.

What's in the Box:

- 1 x RE24 Electric Scooter
- 1 x Charger
- 1 x User Manual
- Tools

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