

manuals.plus /

› **RCB** /

› **RCB E Bike RK15 User Manual**

RCB RK15

RCB E Bike RK15 User Manual

Model: RK15

INTRODUCTION

This manual provides essential information for the safe and efficient operation, assembly, and maintenance of your RCB E Bike RK15. The RK15 is a 26-inch electric bicycle designed for adults, featuring a 250W motor, a 10.4Ah 36V lithium battery, and a 7-speed gear system. It is suitable for daily commuting and various road conditions. Please read this manual thoroughly before your first ride.



Figure 1: The RCB E Bike RK15, a 26-inch electric bicycle in blue, equipped with a front light, disc brakes, and a digital display.

SETUP AND ASSEMBLY

Your RCB E Bike RK15 comes 85% pre-assembled. The following steps outline the final assembly required before your first ride. It is recommended to have basic tools and follow the instructions carefully. An official assembly video may be available from the manufacturer to assist with this process.

Assembly Steps:

1. **Handlebar Installation:** Attach the handlebar to the stem, ensuring it is centered and tightened securely. Adjust the angle for comfortable riding.
2. **Front Wheel Attachment:** Install the front wheel, making sure the quick-release skewer is properly secured and the wheel is centered within the fork.
3. **Pedal Installation:** Identify the left (L) and right (R) pedals. Screw them into the corresponding crank arms. Note that the left pedal has a reverse thread. Tighten firmly.

- 4. **Seat Post and Saddle Adjustment:** Insert the seat post into the frame and adjust the saddle height to ensure your legs have a slight bend at the knee when the pedal is at its lowest point. Secure the quick-release clamp.
- 5. **Accessory Attachment:** Install any included accessories such as the front light, rear reflector, and fenders (if applicable).
- 6. **Brake and Gear Check:** Before riding, thoroughly check the functionality of both front and rear disc brakes. Ensure the 7-speed gear system shifts smoothly through all gears. Make any necessary adjustments.
- 7. **Tire Inflation:** Inflate tires to the recommended pressure indicated on the tire sidewall.

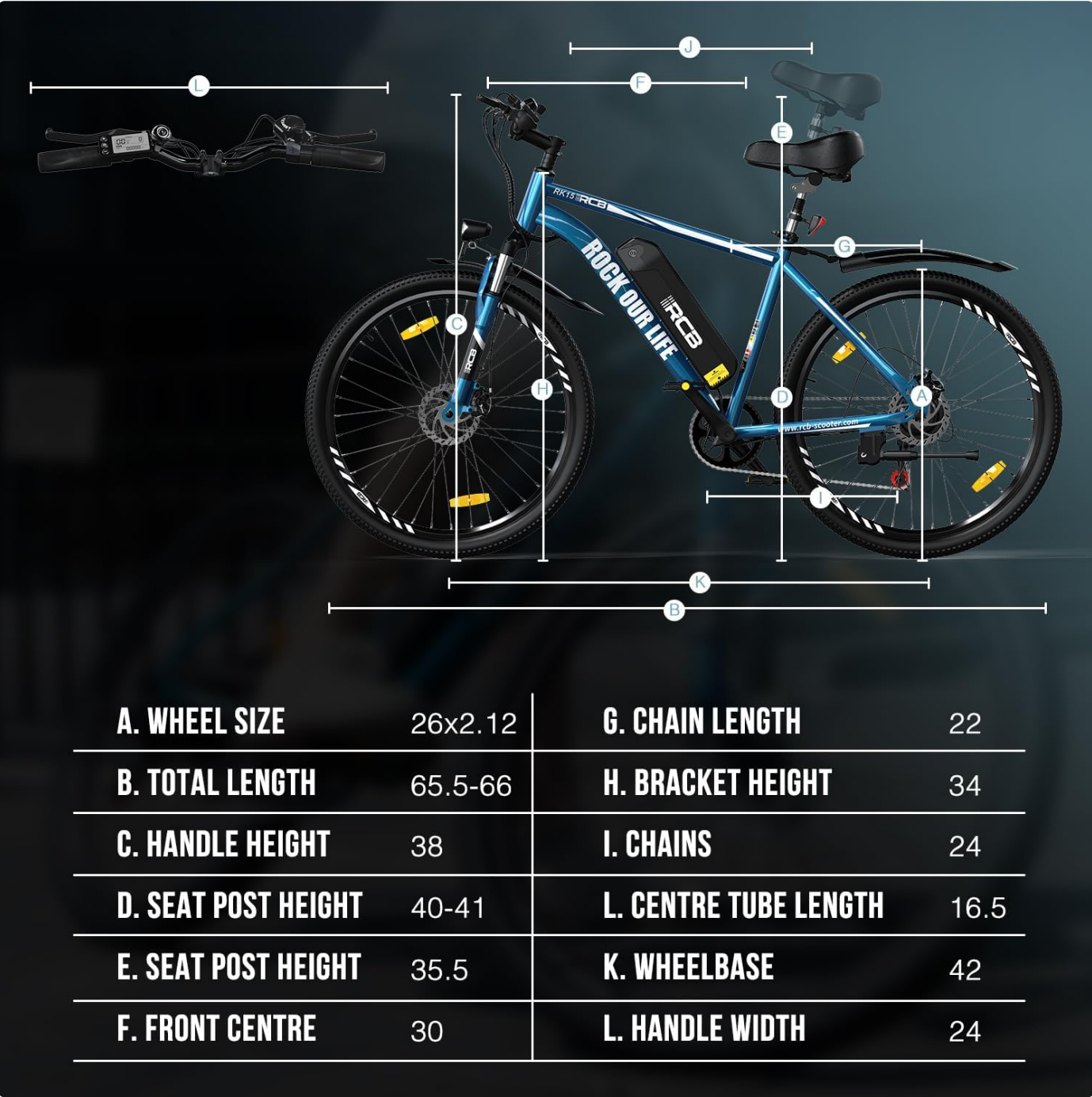


Figure 2: Dimensional diagram of the RCB E Bike RK15, illustrating key measurements for assembly and fit.

OPERATING INSTRUCTIONS

Understanding the various modes and controls of your RCB E Bike RK15 will enhance your riding experience.

Battery Operation:

- The 10.4Ah 36V lithium battery is detachable for convenient charging. Ensure the battery is fully charged before your first ride and after each use.
- To remove the battery, unlock it with the provided key and slide it out. To re-install, align it with the frame mount and push until it clicks into place, then lock it.
- The battery can be charged on or off the bike using the included charger.



Figure 3: The detachable 36V 12Ah lithium battery of the RK15 E Bike, highlighting its easy removal and secure locking mechanism.

Motor and Riding Modes:

- The RK15 is equipped with a powerful 250-watt brushless geared motor, providing assistance up to 25 km/h.
- **Pedal Assist Mode:** The motor provides assistance as you pedal. There are multiple levels of assistance, adjustable via the display. This mode extends battery life and provides a natural riding feel.
- **Electric Assist Mode:** The bike can be propelled solely by the motor without pedaling, typically engaged via a throttle (if present) or by selecting the highest assist level.

POWERFUL MOTOR



250 W

brushless geared motor

25KM/H

Maximum speed

7-SPEED

Gear Transmission

Figure 4: Detailed view of the 250W brushless geared motor, capable of speeds up to 25 km/h, integrated into the rear wheel hub.

LCD Smart Display:

The integrated LCD display provides crucial riding information:

- **ODO:** Total mileage accumulated.
- **TIME:** Duration of the current ride.
- **VOL:** Current battery voltage.
- **TRIP:** Single trip mileage (resettable).
- **SPEED:** Current riding speed.
- **Battery Level Indicator:** Shows remaining battery charge.

LCD SMART DISPLAY



ODO: Total mileage

TIME: single boot time

VOL: battery voltage

TRIP: single mileage(unit: mile, km)

Figure 5: The LCD Smart Display, providing real-time data such as speed, total mileage (ODO), trip mileage (TRIP), and battery voltage (VOL).

Gears and Brakes:

- **7-Speed Gear System:** The 7-speed transmission allows you to adapt to various terrains and inclines, providing optimal pedaling efficiency. Shift gears smoothly to avoid strain on the drivetrain.
- **Mechanical Disc Brakes:** The RK15 is equipped with mechanical disc brakes on both the front and rear wheels, ensuring reliable stopping power in diverse conditions. Regularly check brake pad wear and cable tension.
- **LED Headlight:** The integrated LED headlight provides illumination for night riding and enhances visibility to others.

26" WEAR-RESISTANT TYRE

SUPERIOR WEAR-RESISTANT PROPERTY

EXCELLENT ANTI-SLIP FUNCTION

ALL-TERRAIN

TOP COMFORT LEVEL



Figure 6: The 26-inch wear-resistant tires, designed for superior grip and anti-slip function across various terrains, contributing to a comfortable ride.

HIGH SHOCK ABSORPTION FRONT SUSPENSION

(suitable for different road surfaces
and more comfortable riding)

WATERPROOF
CONNECTOR

EASIER PARTS
REPLACEMENT

Figure 7: The high shock absorption front suspension system, designed to provide a smoother and more comfortable ride by absorbing impacts from uneven road surfaces.

MAINTENANCE

Regular maintenance is crucial for the longevity and safe operation of your RCB E Bike RK15.

- **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.

- **Tire Pressure:** Check tire pressure before each ride. Maintain the recommended PSI (pounds per square inch) as indicated on the tire sidewall for optimal performance and safety.

- **Brake System:**

- Inspect brake pads for wear and replace them when necessary.

- Ensure brake levers are firm and responsive. Adjust cable tension if levers feel spongy.
- Check brake rotors for any bends or damage.
- **Chain and Drivetrain:**
 - Keep the chain clean and lubricated to ensure smooth gear changes and prevent rust.
 - Periodically check for worn or damaged chain links and replace the chain if needed.
- **General Cleaning:** Clean the bike regularly with a damp cloth. Avoid using high-pressure washers directly on electrical components.
- **Fasteners Check:** Periodically check all bolts, nuts, and quick-release levers to ensure they are securely tightened.

TROUBLESHOOTING

This section addresses common issues you might encounter with your RCB E Bike RK15 and provides basic solutions. For more complex problems, please contact customer support.

| Problem | Possible Cause | Solution |
|----------------------------------|--|---|
| Bike does not power on. | Battery not charged, battery not properly seated, power cable loose. | Ensure battery is charged and securely locked. Check all electrical connections. |
| Motor not assisting. | Low battery, assist level set to zero, brake levers engaged, sensor issue. | Charge battery. Increase assist level on display. Ensure brake levers are fully released. Check pedal assist sensor. |
| Brakes feel weak or spongy. | Worn brake pads, loose brake cable, air in hydraulic system (if applicable). | Inspect and replace brake pads. Adjust brake cable tension. For hydraulic brakes, bleeding may be required by a professional. |
| Gears are not shifting smoothly. | Dirty or unlubricated chain, misaligned derailleur, stretched gear cable. | Clean and lubricate chain. Adjust derailleur alignment. Replace stretched gear cables. |
| Unusual noises from the bike. | Loose components, worn bearings, rubbing parts. | Inspect all fasteners. Check wheels and pedals for play. Identify source of noise and address accordingly. |

SPECIFICATIONS

Detailed technical specifications for the RCB E Bike RK15.

| Feature | Detail |
|---------------|-------------------------------------|
| Model | RK15 |
| Bike Type | Pedelec (Electric Bicycle) |
| Wheel Size | 26 Inches |
| Motor Power | 250 Watt |
| Maximum Speed | Up to 25 km/h |
| Battery | 10.4Ah 36V Lithium-Ion (Detachable) |

| Feature | Detail |
|---------------------|---|
| Range | 35-90 km (depending on conditions and assist level) |
| Gears | 7-Speed |
| Brake Type | Mechanical Disc Brakes (Front & Rear) |
| Suspension | Front Fork Suspension (Double Suspension feature) |
| Frame Material | Carbon Steel or Aluminum Alloy |
| Product Dimensions | 183 x 63 x 107 cm |
| Product Weight | 23.3 Kilograms |
| Included Components | Inflator, Charger, Lock |

WARRANTY AND SUPPORT

For warranty information, claims, or technical support, please refer to the warranty card included with your product or contact RCB customer service directly. Keep your purchase receipt as proof of purchase. You can often find contact details on the official RCB website or through the retailer where you purchased the E Bike.

