

DUOTTS C29 Lite

DUOTTS C29 Lite Electric Bike User Manual

Model: C29 Lite

1. INTRODUCTION

This manual provides essential information for the safe assembly, operation, and maintenance of your DUOTTS C29 Lite electric bike. Please read it thoroughly before your first ride to ensure proper usage and to maximize the lifespan of your bicycle.

The DUOTTS C29 Lite is a versatile 27.5-inch electric bike designed for urban commuting and leisure, featuring a 250W motor, 486Wh integrated battery, 7-speed transmission, and front suspension.

2. SAFETY INSTRUCTIONS

Your safety is paramount. Always adhere to the following guidelines:

- Always wear a helmet that meets safety standards.
- Obey all local traffic laws and regulations.
- Perform a pre-ride check before each use: brakes, tire pressure, battery level, and quick releases.
- Do not ride under the influence of alcohol or drugs.
- Be visible: Use the integrated lights at night or in low-light conditions. Consider reflective clothing.
- Maintain a safe speed and distance from other vehicles and pedestrians.
- Avoid riding in extreme weather conditions.
- Do not modify the bike's electrical system or motor.

3. PACKAGE CONTENTS

Upon unpacking, ensure all items are present:

- DUOTTS C29 Lite Electric Bike (partially assembled)
- Integrated 36V 13Ah Battery
- Battery Charger

- Pedals
- Front Wheel
- Handlebar
- Seat Post and Saddle
- Tool Kit
- User Manual (this document)

4. ASSEMBLY AND SETUP

The DUOTTTS C29 Lite comes partially assembled. Follow these steps for final assembly:

1. **Unpack the Bike:** Carefully remove the bike and all components from the packaging. Retain packaging for future transport or returns.
2. **Install the Handlebar:** Attach the handlebar to the stem, ensuring it is centered and the brake levers and shifters are in a comfortable position. Tighten the stem bolts securely.
3. **Install the Front Wheel:** Insert the front wheel into the fork dropouts. Ensure the brake rotor is correctly seated in the caliper. Secure with the quick-release skewer or axle nuts.
4. **Attach the Pedals:** Identify the left (L) and right (R) pedals. The left pedal screws counter-clockwise, and the right pedal screws clockwise. Apply a small amount of grease to the threads and tighten firmly with a wrench.
5. **Install the Seat Post and Saddle:** Insert the seat post into the frame's seat tube. Adjust the saddle height to a comfortable riding position where your leg is slightly bent at the knee when the pedal is at its lowest point. Secure with the quick-release lever.
6. **Check Brakes and Gears:** Ensure both front and rear brakes are functioning correctly. Test the gear shifter to confirm smooth transitions through all 7 speeds.
7. **Charge the Battery:** Before your first ride, fully charge the battery. Refer to the "Battery Usage and Charging" section for details.

Unleash Your Riding Power

250W Powerful Motor



25Km/h
Max Speed

7-SPEED
Gearing

43NM
Torque

30°
Max Slope

Image: The DUOTTS C29 Lite electric bike fully assembled, showcasing its design and components.

5. COMPONENTS OVERVIEW


Familiarize yourself with the key components of your DUOTTS C29 Lite:

- **250W Hub Motor:** Located in the rear wheel, providing pedal assistance up to 25 km/h.
- **36V 13Ah Integrated Battery:** Removable battery housed within the frame, offering up to 65 km range.
- **Front Suspension Fork:** Absorbs shocks and vibrations for a smoother ride.
- **27.5" Road Tires:** Designed for multi-surface grip with reflective strips for visibility.
- **7-Speed Shimano Transmission:** Allows for easy gear changes to adapt to various terrains.
- **Front and Rear Disc Brakes:** Provide reliable stopping power.
- **LED Headlight and Taillight:** Enhance visibility for night riding.
- **Rear Rack:** For carrying cargo, with a capacity of up to 150kg.
- **LCD Display:** Shows speed, battery level, and pedal assist mode.



Moteur Puissant


Le moteur haute efficacité de 250W délivre 43Nm de couple puissant et silencieux, franchissant aisément les pentes de 30° pour une conduite douce comme un nuage.



25 Km/h
Vitesse Maximale



7-VITESSES
Transmission



43 NM
Couple Moteur

Image: Detailed view of the 250W hub motor, highlighting its internal components and power delivery.



36V 13Ah Batterie Cachée Amovible

La batterie du C29 Lite est intelligemment dissimulée et amovible, offrant une autonomie de 65 km pour vos trajets urbains et vos escapades sans effort.



65 Km
Autonomie



6-8 Heures
Temps de Charge



BMS
Économie d'Énergie



IPX4
Imperméable

Image: The 36V 13Ah integrated and removable battery, showing its placement within the bike frame and charging options.



Suspension Avant

La suspension avant absorbe sans effort les irrégularités de la route, des nids-de-poule au gravier. Elle offre confort et stabilité, réduisant la fatigue des poignets et du corps.

Image: Close-up of the front suspension fork, illustrating its shock-absorbing mechanism for a comfortable ride.



Écran Intelligent en Temps Réel

L'écran clair affiche uniquement la vitesse et la batterie. Oubliez la complexité, profitez simplement du trajet.



Niveau de Batterie



Affichage de Vitesse

Image: The intelligent LCD display, showing current speed and battery level for real-time ride information.

Your browser does not support the video tag.

Video: A brief overview of the DUOTTTS C29 Lite electric bike, demonstrating its features and design.

6. OPERATING INSTRUCTIONS

6.1 Powering On/Off

- To power on, press and hold the power button on the LCD display for a few seconds. The display will illuminate.
- To power off, press and hold the power button again until the display turns off.

6.2 Pedal Assist System (PAS)

The C29 Lite features 4 levels of pedal assistance. Use the '+' and '-' buttons on the display control panel to adjust the assist level:

- **Level 0:** No electrical assistance (pure pedal power).
- **Level 1-3:** Increasing levels of motor assistance.
- **Level 4:** Maximum motor assistance.

The motor engages when you start pedaling and disengages when you stop pedaling or apply the brakes.

6.3 Gear Shifting

Use the 7-speed trigger shifter on the handlebar to change gears. Shift to lower gears for climbing hills and higher gears for flat terrain or downhill riding. Shift gears smoothly and avoid shifting under heavy load.

6.4 Lights

The integrated front and rear lights can be turned on/off via the control panel. Always use lights when riding in low light conditions or at night.



Image: The powerful front headlight and certified rear taillight, ensuring visibility and safety during rides.

7. BATTERY USAGE AND CHARGING

7.1 Charging the Battery

- The battery can be charged while installed on the bike or removed.
- Connect the charger to the charging port on the battery, then plug the charger into a standard wall outlet.
- The charger indicator light will show red during charging and turn green when fully charged.
- Charging time is typically 6-8 hours for a full charge.
- Do not overcharge the battery. Disconnect the charger once charging is complete.

7.2 Battery Care

- Store the battery in a cool, dry place, away from direct sunlight and extreme temperatures.
- If storing for extended periods, charge the battery to 50-70% every 2-3 months.
- Do not expose the battery to water or moisture. The battery has an IPX4 waterproof rating, meaning it is resistant to splashing water, but not submersion.
- Only use the original charger provided with the bike.

8. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your e-bike.

- **Tires:** Check tire pressure before each ride. Recommended pressure is usually indicated on the tire sidewall.
- **Brakes:** Regularly inspect brake pads for wear and ensure brake levers are firm. Adjust or replace as needed.
- **Chain:** Keep the chain clean and lubricated to ensure smooth gear changes and prevent wear.
- **Bolts and Fasteners:** Periodically check all bolts and fasteners for tightness, especially on the handlebars, seat

post, and wheels.

- **Cleaning:** Clean the bike with a damp cloth and mild soap. Avoid high-pressure washing, especially near electrical components.
- **Professional Service:** It is recommended to have your e-bike inspected by a qualified bicycle mechanic at least once a year.

9. TROUBLESHOOTING

Here are solutions to common issues:

Problem	Possible Cause	Solution
Bike does not power on.	Battery is dead or not properly seated.	Charge the battery. Ensure the battery is fully inserted and locked into the frame.
Motor not assisting.	PAS level is 0, brakes are engaged, or a sensor issue.	Increase PAS level. Release brake levers. Check for loose connections.
Gears are not shifting smoothly.	Derailleur needs adjustment, or chain is dirty/dry.	Clean and lubricate the chain. Adjust the derailleur if necessary, or seek professional help.
Brakes feel weak.	Worn brake pads or cable tension issue.	Inspect brake pads and replace if worn. Adjust brake cable tension.

10. SPECIFICATIONS

Key technical specifications for the DUOTTTS C29 Lite electric bike:

Feature	Detail
Brand	DUOTTTS
Model	C29 Lite
Motor Power	250W Hub Motor
Max Speed	25 km/h (electronically limited)
Battery	36V 13Ah (468Wh) Integrated, Removable Lithium Battery
Max Range (Pedal Assist)	Up to 65 km
Charging Time	6-8 hours
Wheel Size	27.5 inches
Tires	27.5 x 2.25 inch Road Tires with Reflective Strips
Gears	7-Speed Shimano Transmission
Brakes	Front and Rear Disc Brakes
Suspension	Front Fork Suspension (80mm travel)
Max Load Capacity	150 kg (330 lbs)

Feature	Detail
Waterproof Rating	IPX4 (splash resistant)
Frame Material	Aluminum



Image: A diagram illustrating the key dimensions and weight specifications of the DUOTTS C29 Lite electric bike.

11. WARRANTY AND SUPPORT

DUOTTS provides a warranty for its products against manufacturing defects. Please refer to the warranty card included with your purchase for specific terms and conditions. Keep your proof of purchase for warranty claims.

For technical assistance, spare parts, or customer service, please contact DUOTTS customer support. Contact information can typically be found on the official DUOTTS website or through your retailer.

Our customer service team is available to assist you with any questions or issues you may encounter.

