MOONCOOL SOLDC-CD1-OR

MOONCOOL Electric Tricycle User Manual

Model: SOLDC-CD1-OR

1. Introduction

Welcome to the MOONCOOL Electric Tricycle user manual. This guide provides essential information for the safe assembly, operation, and maintenance of your new electric tricycle. Please read this manual thoroughly before using the product to ensure optimal performance and safety.



The MOONCOOL Electric Tricycle, designed for youth, features a robust aluminum frame and fat tires for stability. It includes an electric motor and a removable battery for assisted riding.

2. Safety Information

Your safety is paramount. Adhere to all safety guidelines to prevent injury or damage.

- This electric tricycle meets **UL2849** and **UL2272** standards, ensuring high levels of safety and quality
- Always wear a helmet and appropriate safety gear when riding.
- Ensure all bolts and fasteners are tightened before each ride.
- Do not exceed the maximum load capacity of 330 lbs.
- Avoid riding in adverse weather conditions or on slippery surfaces.
- Familiarize yourself with local traffic laws and regulations regarding electric tricycles.
- Keep hands and feet clear of moving parts.

3. Package Contents

Carefully unpack the box and ensure all items are present and undamaged. If any parts are missing or damaged, contact MOONCOOL customer support immediately.

- MOONCOOL Electric Tricycle Frame (6061 Aluminum)
- Front Wheel with 16" x 3.0" Fat Tire
- Rear Wheels (2) with 16" x 3.0" Fat Tires
- Handlebars and Stem
- Seat and Seatpost
- Removable 24V 10.4Ah Battery Pack
- Battery Charger
- Rear Storage Basket
- Assembly Tools
- User Manual
- DIY Sticker Sets (2)

4. Setup and Assembly

Assembly of the MOONCOOL Electric Tricycle is designed to be straightforward. Please follow these steps carefully.

1. **Unpacking:** Remove all components from the packaging. Keep packaging materials until assembly is complete.
2. **Handlebar Installation:** Attach the handlebars to the stem, ensuring they are centered and tightened securely.
3. **Seat and Seatpost Adjustment:** Insert the seatpost into the frame and adjust the seat height to a comfortable and safe riding position. Secure the quick-release lever or bolt.
4. **Wheel Attachment:** Install the front wheel and secure it. Attach the rear wheels to the axle, ensuring all nuts are properly tightened.
5. **Basket Installation:** Mount the rear storage basket securely to the designated attachment points on the tricycle frame.
6. **Battery Installation:** Carefully slide the removable battery pack into its compartment on the frame until it clicks into place. Ensure it is locked to prevent accidental removal during riding.
7. **Pre-Ride Check:** Before the first ride, double-check all connections, brakes, and tire pressure.



The tricycle features a lightweight 6061 aluminum alloy frame and 16" x 3.0" fat tires, suitable for various terrains. Two sets of DIY stickers are included for personalization.

5. Operating Instructions

5.1. Battery Charging and Range

- The tricycle is equipped with a 24V 10.4Ah removable battery.
- A full charge provides a range of approximately 35 miles.
- Charging time is approximately 5 hours. Connect the charger to the battery port and a standard wall outlet. The indicator light on the charger will change when fully charged.



The tricycle is powered by a 24V 250W rear motor, offering a top torque of 35Nm, a maximum speed of 12.5mph, and a climbing ability of 35 degrees. The 24V 10.4Ah detachable battery provides up to 35 miles per charge with a 5-hour charge time.

5.2. Speed Modes and Display

- The tricycle features 3-speed levels for varying riding experiences:
    - **Low Speed:** Approximately 6 mph (Beginner)
    - **Medium Speed:** Approximately 9 mph (Casual Riding)
    - **High Speed:** Approximately 12.5 mph (Advanced)
- The color LCD display tracks current speed, battery status, and mileage. Use the controls near the display to switch between speed modes and view information.



The tricycle's multi-color LCD display allows for one-touch adjustment of three speed levels: Low (6mph for beginners), Medium (9mph for casual riding), and High (12.5mph for advanced riders).

5.3. Additional Features

- **Bright Front Light:** For improved visibility during low-light conditions. Activate via the controls on the handlebars.
- **Disc Brakes:** Ensure reliable stopping power. Regularly check brake pads and cable tension.
- **Ergonomic Saddle:** Designed for comfortable riding.
- **Rear Basket:** Provides convenient storage for personal items or groceries.



The MOONCOOL Electric Tricycle offers reliable performance with high-grade components including a color LCD display, bright front light, disc brakes, and an ergonomic saddle.

6. Maintenance

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

- **Battery Care:**
  - Charge the battery regularly, even if not in use, to maintain its health.
  - Store the battery in a cool, dry place.
  - Avoid fully discharging the battery frequently.
- **Tire Pressure:** Check tire pressure weekly. The 16" x 3.0" fat tires require specific pressure for optimal performance and stability. Refer to the tire sidewall for recommended PSI.

- **Brakes:** Inspect brake pads for wear and brake cables for tension monthly. Adjust or replace as needed.
- **Frame Cleaning:** Clean the aluminum frame with a damp cloth. Avoid using harsh chemicals that could damage the finish.
- **General Inspection:** Periodically check all nuts, bolts, and moving parts for tightness and signs of wear.

7. Troubleshooting

This section addresses common issues you might encounter. For problems not listed here, please contact customer support.

Problem	Possible Cause	Solution
Tricycle not powering on.	Battery not charged or not properly seated.	Ensure battery is fully charged and securely installed. Check power button.
Motor not engaging.	Low battery, loose connection, or sensor issue.	Charge battery. Check all electrical connections. Consult manual for sensor locations.
Short battery life.	Under-inflated tires, frequent high-speed use, or aging battery.	Check tire pressure. Use lower speed modes. Consider battery replacement if old.
Brakes feel weak.	Worn brake pads or loose brake cable.	Inspect and replace brake pads. Adjust brake cable tension.

8. Specifications

Feature	Detail
Brand	MOONCOOL
Model Number	SOLDC-CD1-OR
Color	Burnt Orange
Frame Material	6061 Aluminum
Wheel Size	16 inches
Tire Type	3.0 Fat Tires
Motor	250W Rear Motor
Battery	24V 10.4Ah Removable Lithium-ion
Max Range	Up to 35 miles per charge

Feature	Detail
Charging Time	Approx. 5 hours
Max Speed	12.5 mph (20 km/h)
Speed Modes	3 Levels (Low, Medium, High)
Display	Color LCD (Speed, Battery Status)
Brakes	Disc Brakes
Recommended Height	3'9" - 4'9"
Load Capacity	Up to 330 lbs
Certifications	UL2849, UL2272



Detailed dimensions and specifications for the 16-inch electric tricycle, including recommended user height (3'9"-4'9") and maximum load

capacity (330 lbs).

9. Warranty and Support

MOONCOOL stands behind the quality of its products.

- **Lifetime Warranty:** On the Aluminum Frame.
- **1-Year Warranty:** On Defective Parts.
- **3-Year Warranty:** On the Battery.
- For warranty claims, technical support, or any inquiries, please contact MOONCOOL customer service. Refer to your purchase documentation for specific contact details or visit the official MOONCOOL website.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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