MOONCOOL Alizarin Red Tk Pro Trike (P1600260-TKSJH)

MOONCOOL Electric Tricycle User Manual

Model: **Alizarin Red Tk Pro Trike (P1600260-TKSJH)** | Brand: **MOONCOOL**

1. Introduction

This manual provides essential information for the safe and efficient operation, assembly, and maintenance of your MOONCOOL Electric Tricycle. Please read this manual thoroughly before initial use and retain it for future reference. Proper understanding and adherence to these instructions will ensure optimal performance and longevity of your tricycle.

2. Safety Guidelines

Always prioritize safety when operating the electric tricycle. Failure to follow safety instructions can result in serious injury or damage to the product.

- Wear a helmet and appropriate safety gear at all times.
- Ensure all components are securely fastened before each ride.
- Do not operate the tricycle under the influence of alcohol or drugs.
- Adhere to local traffic laws and regulations.
- Avoid riding in adverse weather conditions or on slippery surfaces.
- Regularly inspect brakes, tires, and electrical connections.
- Do not exceed the maximum load capacity of 450 lbs.

3. Package Contents

Upon unpacking, verify that all items listed below are present and undamaged:

- MOONCOOL Electric Tricycle (main frame, pre-assembled)
- Front Wheel
- Front Fender
- Rear Fenders (2)

- Front Basket
- Rear Basket
- Seat with Backrest
- 48V 20Ah Removable Battery
- 54.6V 3A Fast Charger
- Assembly Tools (Allen keys, wrench)
- User Manual (this document)

4. Setup and Assembly

The MOONCOOL Electric Tricycle is 95% pre-assembled. Follow these steps to complete the assembly:

4.1 Unboxing and Initial Inspection

Carefully remove the tricycle and all components from the packaging. Inspect for any signs of damage during transit. It is recommended to take photos of the packaging before opening, especially if there is visible damage.

Your browser does not support the video tag.

Video 1: TK PRO Assembly Video MOONCOOL Tricycle. This video demonstrates the complete assembly process from unboxing to final checks.

4.2 Unfolding the Tricycle Frame

Locate the folding mechanism on the main frame. Release the safety latch and carefully unfold the frame until it locks into place. Ensure the locking mechanism is fully engaged and secure.



Image 1: The MOONCOOL Electric Tricycle in its fully assembled and unfolded state, showcasing the front and rear baskets, seat with backrest, and digital display.

4.3 Installing the Front Wheel

Attach the front wheel to the front fork. Align the disc brake rotor with the brake caliper. Insert the quick-release skewer through the hub and tighten it securely. Ensure the wheel spins freely without rubbing against the brake pads.

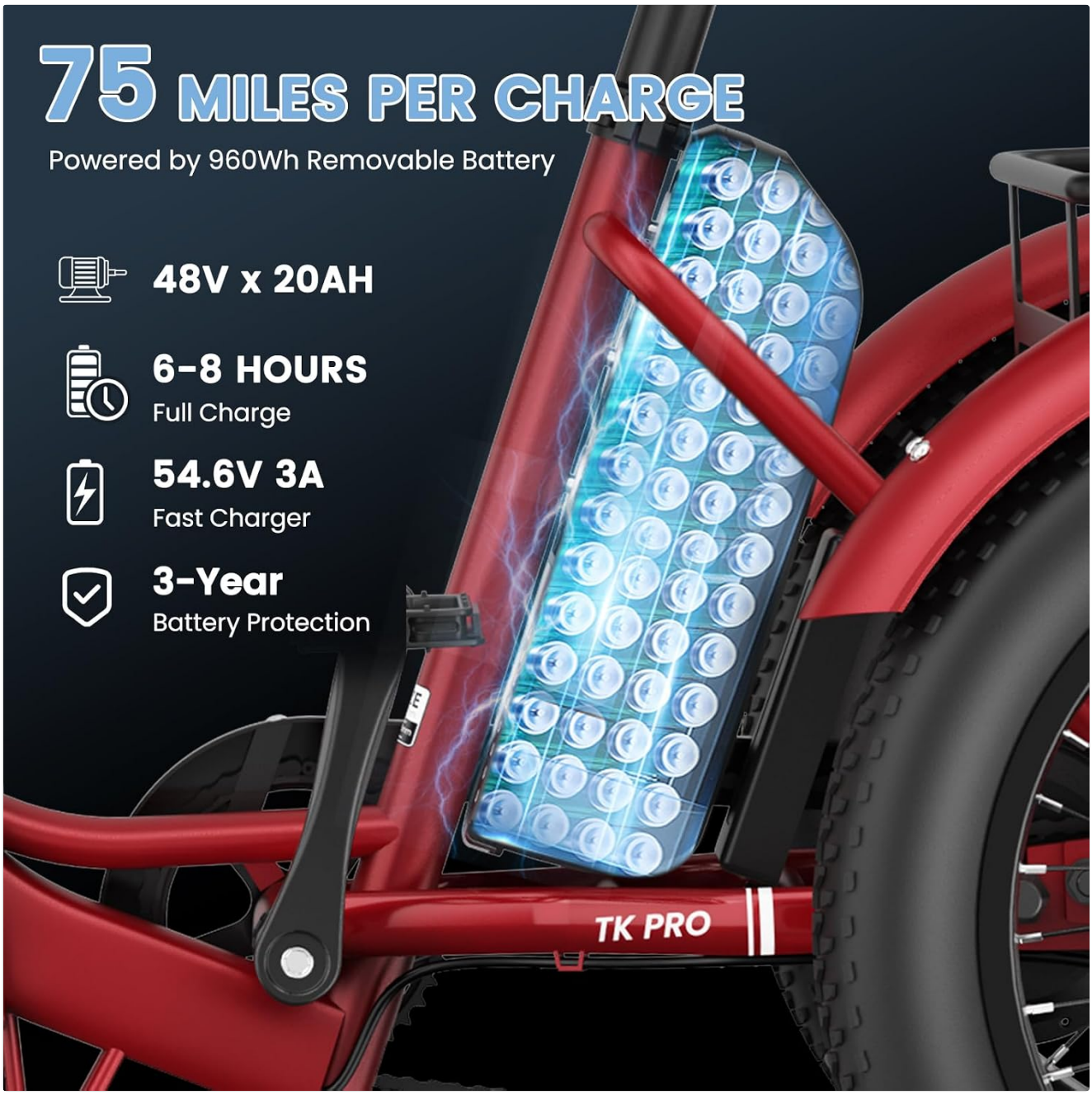


Image 2: A detailed view of the front wheel, highlighting the robust tire tread and the disc brake system for effective stopping power.

4.4 Attaching Fenders and Baskets

Mount the front fender above the front wheel and the two rear fenders above the rear wheels using the provided screws and brackets. Then, attach the front and rear baskets to their designated mounting points on the frame, ensuring they are stable and secure.



Image 3: The electric tricycle equipped with its spacious front and rear baskets, designed for carrying groceries, personal items, or even small pets.

4.5 Installing the Seat with Backrest

Insert the seat post into the frame's seat tube. Adjust the height to a comfortable riding position and secure it with the quick-release clamp. The backrest provides additional comfort and support.



Image 4: A clear image of the tricycle's backrest saddle, emphasizing its ergonomic design for enhanced rider comfort during long rides.

4.6 Battery Installation and Charging

Insert the removable 48V 20Ah battery into its compartment on the frame. Ensure it clicks securely into place. Before your first ride, fully charge the battery using the provided 54.6V 3A fast charger. The charging time is approximately 6-8 hours for a full charge.



Image 5: A clear image of the removable battery pack, showing its integration into the tricycle's frame and highlighting its capacity for extended range.

5. Operating Instructions

Familiarize yourself with the controls and functions before riding.

5.1 Powering On/Off

To power on the tricycle, press and hold the power button on the handlebar display. To power off, press and hold the same button until the display turns off.

5.2 Display Functions

The smart LED display shows battery level, speed (km/h or mph), pedal assist level (PAS), and trip distance. Use the '+' and '-' buttons to adjust the pedal assist level (0-5). Level 0 is no assist, and Level 5 provides maximum motor assistance.

5.3 Riding Modes

- **Pedal Assist Mode:** The motor provides assistance as you pedal. The level of assistance is determined by the PAS setting.
- **Throttle Mode:** Use the thumb throttle to engage the motor without pedaling. This mode is ideal for quick acceleration or maintaining speed without effort.
- **Manual Mode:** Ride the tricycle like a traditional bicycle without any motor assistance.

5.4 Gear Shifting (Shimano 6-Speed)

The tricycle features a Shimano 6-speed gear system. Use the shifter on the handlebar to change gears. Shift to lower gears for climbing hills and higher gears for flat terrain or downhill riding. Shift smoothly to avoid strain on the drivetrain.

5.5 Braking System (Dual Disc Brakes)

The tricycle is equipped with front and rear dual disc brakes for reliable stopping power. Apply both brake levers simultaneously for balanced and effective braking. The brake levers also feature a parking brake function for securing the tricycle when stationary.

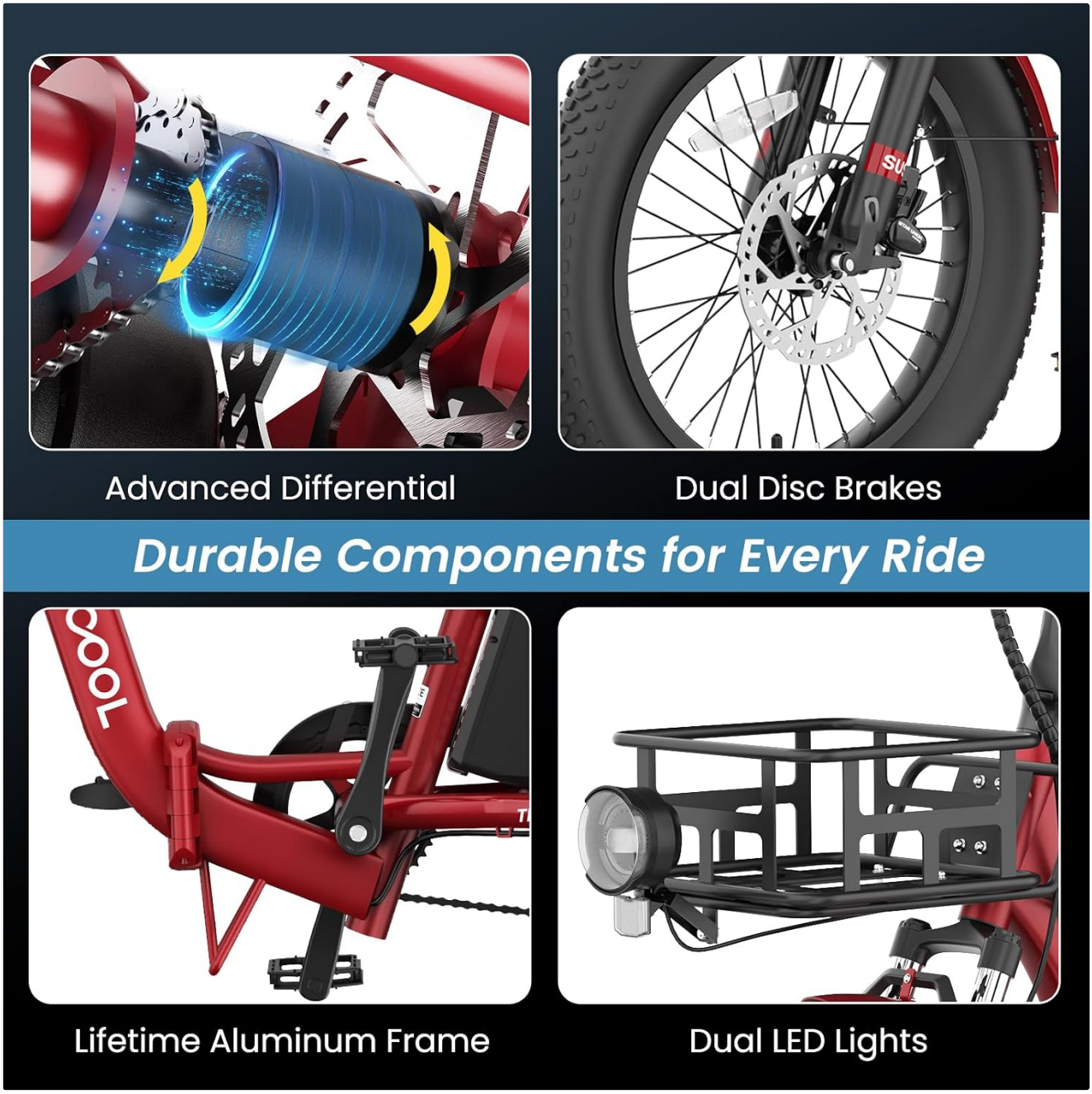


Image 6: A close-up of the tricycle's dual disc brake system, illustrating the robust design for enhanced safety and control.

6. Battery Information

6.1 Battery Care and Maintenance

- Charge the battery in a dry, well-ventilated area, away from direct sunlight or extreme temperatures.
- Do not overcharge or completely drain the battery.
- If storing the tricycle for an extended period, charge the battery to 50-70% and recharge every 2-3 months.
- Keep the battery terminals clean and dry.

6.2 Range and Performance

The 48V 20Ah removable battery provides a range of up to 85 miles per full charge, depending on terrain, rider weight, pedal assist level, and weather conditions. The 750W helical motor offers a peak power of 1100W, ensuring smooth acceleration and hill-climbing capability.

7. Maintenance

Regular maintenance is crucial for the safety and longevity of your electric tricycle.

- **Tires:** Check tire pressure before each ride. Recommended pressure is typically indicated on the tire sidewall.
- **Brakes:** Test brake functionality before each ride. Adjust brake cables if levers feel spongy or braking power is reduced.
- **Chain:** Keep the chain clean and lubricated to ensure smooth gear changes and prevent rust.
- **Frame:** Clean the aluminum frame with a damp cloth. Avoid using harsh chemicals that could damage the paint.
- **Electrical Components:** Keep all electrical connections dry and free from debris. Do not attempt to service electrical components unless you are a qualified technician.

8. Troubleshooting

Problem	Possible Cause	Solution
Tricycle does not power on.	Battery not charged or not properly installed.	Ensure battery is fully charged and securely seated in its compartment. Check power button connection.
Motor not assisting.	Pedal assist level is 0, or motor connection is loose.	Increase pedal assist level on the display. Check motor cable connections.
Brakes feel weak.	Brake pads worn or cables loose.	Inspect brake pads for wear and replace if necessary. Adjust brake cable tension.
Unusual noises during operation.	Loose components, dry chain, or debris.	Inspect all bolts and connections for tightness. Lubricate chain. Clean any debris from moving parts.

9. Specifications

Feature	Specification
Bike Type	Electric Bike

Feature	Specification
Age Range	Adult
Brand	MOONCOOL
Motor Power	750W (Peak Power 1100W)
Battery	48V 20Ah Removable Battery
Range per Charge	Up to 85 miles
Charging Time	6-8 hours
Number of Speeds	1 (Shimano 6-speed shifter)
Color	Alizarin Red
Wheel Size	20 Inches
Frame Material	6061 Aluminum
Suspension Type	Front
Special Feature	Foldable
Brake Style	Disc
Load Capacity	450 lbs
Recommended Height	5'0"-6'3"
Certification	UL2849 Certified

10. Warranty and Support

Your MOONCOOL Electric Tricycle comes with the following:

- **Lifetime Aluminum Frame Warranty:** The 6061 aluminum frame is covered for its lifetime against manufacturing defects.
- **1-Year for Defective Parts:** Components found to be defective within one year of purchase are covered.
- **3-Year Protection for Battery:** The battery is protected for three years from the date of purchase.
- **30-Day Returns:** Enjoy a 30-day return policy from the date of purchase.

For direct assistance, search for "Slsy & Mooncool US" on Amazon or contact customer support at 833-527-1666. Please have your model number (P1600260-TKSJH) and purchase details ready when contacting support.

© 2025 MOONCOOL. All rights reserved.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

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.

Submit question