

Mankeel MX14

Mankeel Electric Scooter User Manual

Model: MX14

1. INTRODUCTION

This manual provides essential information for the safe operation, maintenance, and troubleshooting of your Mankeel Electric Scooter. Please read this manual thoroughly before using the scooter to ensure proper function and to prevent injury or damage.

The Mankeel Electric Scooter is designed for adult use, offering a powerful and portable solution for personal transportation. It features an 800W motor, 10-inch air-filled off-road tires, and a dual braking system for enhanced performance and safety.

2. SAFETY INFORMATION

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

- Always wear a helmet and appropriate safety gear (knee pads, elbow pads) when riding.
- Do not ride under the influence of alcohol or drugs.
- Observe all local traffic laws and regulations.
- Avoid riding in heavy rain, snow, or on icy surfaces.
- Maintain a safe distance from other vehicles and pedestrians.
- Do not perform stunts or sudden maneuvers.
- Ensure the scooter is fully charged and all components are secure before each ride.
- The maximum weight limit for this scooter is 150 kg (330 lbs). Do not exceed this limit.
- This scooter is designed for one rider only. Do not carry passengers.
- Be aware of your surroundings and potential hazards, especially when riding off-road.

The scooter is equipped with advanced front and rear disc brakes, LED headlights, taillights, and turn signals to enhance visibility and control. Utilize these features for a safer riding experience.

3. PRODUCT OVERVIEW

3.1 Key Features

- **Powerful 800W Motor:** Enables speeds up to 45 km/h (28 MPH) and a climbing angle of 20%.
- **Long Range Battery:** 48V/15Ah lithium battery provides up to 50 km (31 miles) on a single charge.
- **10-inch Air-Filled Off-Road Tires:** Offers good shock absorption, low resistance, strong carrying capacity, and easy maintenance.
- **Dual Braking System:** Features front and rear disc brakes for reliable stopping power.
- **Advanced Lighting:** Includes LED headlights, taillights, and side turn signals for improved visibility.
- **LED Smart Display:** Shows battery level, gear setting, and speed.
- **Portable Folding Design:** Quick folding mechanism for easy storage and transport.
- **Cruise Control:** Allows maintaining a constant speed without continuous accelerator pressure.
- **Multiple Gear Settings:** 3 gear settings for varied speed control (Limited mode: 10 km/h, 15 km/h, 25 km/h; Unlimited mode: 15 km/h, 30 km/h, 45 km/h).

3.2 Components Diagram



Figure 3.2.1: Mankeel Electric Scooter in unfolded and folded configurations.

LED Smart Display



Figure 3.2.2: Close-up of the LED Smart Display, indicating battery, gear, and speed readouts.



Figure 3.2.3: Overview of the scooter's lighting system, including the LED headlamp, ambient light, taillight, and side turn signals.

4. SETUP

4.1 Unfolding the Scooter

1. Place the scooter on a flat surface.
2. Release the folding latch mechanism, typically located near the base of the handlebar stem.
3. Carefully lift the handlebar stem until it locks into the upright position. Ensure the locking mechanism is fully engaged.
4. Adjust the handlebars to your desired height if applicable, and secure them.

Portable Folding Design

Flip - Fold - Latch



Figure 4.1.1: Illustration of the scooter's portable folding design, showing the flip, fold, and latch steps.

4.2 Initial Charging

Before first use, fully charge the scooter's battery. This typically takes 4-8 hours.

- Locate the charging port on the scooter.
- Connect the charger to the scooter's charging port, then plug the charger into a standard electrical outlet.
- The charging indicator light on the charger will change (e.g., from red to green) when charging is complete.
- Disconnect the charger once fully charged.



Figure 4.2.1: Visual representation of the 48V/15Ah lithium battery and its 6-hour fast charging capability, providing a 50KM (31 miles) long range.

5. OPERATING INSTRUCTIONS

5.1 Power On/Off

- To power on: Press and hold the power button on the display until the screen illuminates.
- To power off: Press and hold the power button until the display turns off.

5.2 Riding the Scooter

1. Place one foot firmly on the deck.
2. Push off with your other foot to gain some initial momentum.
3. Once moving, gently press the accelerator lever to engage the motor.
4. Place your other foot on the deck.

5. To slow down or stop, release the accelerator and gently apply the brake levers.

5.3 Speed Modes and Cruise Control

- **Changing Gear Settings:** Use the gear shift button on the display to cycle through the 3 available speed modes.
 - Limited Mode: 10 km/h (6.2 mph), 15 km/h (9.3 mph), 25 km/h (15.5 mph)
 - Unlimited Mode: 15 km/h (9.3 mph), 30 km/h (18.6 mph), 45 km/h (28 mph)
- **Cruise Control:** To activate, maintain a constant speed for a few seconds. The scooter will beep, and cruise control will engage. To deactivate, press the brake lever or accelerator.



Figure 5.3.1: Display showing conventional speed settings and options for unlocking speed limits.

6. MAINTENANCE

6.1 Cleaning

Wipe the scooter with a damp cloth. Do not use high-pressure water jets or immerse the scooter in water, as this can damage electrical components.

6.2 Tire Care

Regularly check the tire pressure of the 10-inch air-filled off-road tires. Maintain recommended pressure for optimal performance and longevity. Inspect tires for wear and tear or punctures.

10 inch Air-filled off-road Tire



Good shock absorption effect



Low resistance



Strong carrying capacity



Easy to maintain



Figure 6.2.1: Features of the 10-inch air-filled off-road tire, highlighting good shock absorption, low resistance, strong carrying capacity, and ease of maintenance.

6.3 Battery Care

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

6.4 General Checks

- Periodically check all screws and bolts for tightness.
- Inspect brake cables and levers for proper function and adjustment.
- Ensure the folding mechanism is clean and operates smoothly.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Scooter does not power on.	Low battery; loose connections; faulty power button.	Charge the battery; check all cable connections; contact customer support if issue persists.
Motor not engaging or weak power.	Low battery; motor overheating; faulty accelerator.	Charge the battery; allow scooter to cool down; contact customer support.
Brakes are not effective.	Brake pads worn; brake cables loose; disc brake misalignment.	Inspect and adjust brake cables; replace worn brake pads; seek professional assistance for disc brake issues.
Tires losing air quickly.	Puncture; valve stem issue; improper inflation.	Inspect for punctures and repair; check valve stem; inflate to recommended pressure.
Unusual noises during operation.	Loose components; debris in wheels/motor; worn bearings.	Check all fasteners; clean wheels and motor area; contact customer support for internal component issues.

For issues not listed here, or if solutions do not resolve the problem, please contact Mankeel customer support.

8. SPECIFICATIONS

Feature	Detail
Brand	Mankeel
Model Name	electric scooter (MX14)
Color	black-red
Age Range (Description)	Adult
Motor Power	800W
Battery	48V/15Ah Lithium Battery
Max Speed	45 km/h (28 MPH)
Max Range	50 km (31 Miles)
Climbing Angle	20%
Tire Type	10-inch Air-Filled Off-Road Tires
Brake Style	Front and Rear Disc Brakes
Suspension Type	Dual Suspension
Weight Limit	150 Kilograms (330 lbs)
Item Weight	26 Kilograms
Product Dimensions (Unfolded)	47.6"L x 21"W x 49"H
Product Dimensions (Folded)	47.6"L x 21"W x 23.6"H
Material	Aluminum

Feature	Detail
Manufacturer	Shenzhen Manke Electronic Co., Ltd.
UPC	774182170249

Product name10 inch off road electric scooter			
Net weight	24kg	Display	Led
Gross weight	26kg	Shock absorption	Front & rear dual absorber
Gear	Speed limit lifted:15 30 45 Not lifted:10 15 25	Motor drive	Rear drive
Frame material	Aluminium alloy	Waterproof grade	IP54
Tyre	10 Inch Air-filled off-road tires	Charging time	4-8 hours
Range	40-60km	Headlight	Led highlight headlamp
Maximum speed	45km/h		LED Light /Left and
Power	48V 800W	Taillight	Right turnsignals/Brake warning light
Brake	Front and rear disc brakes	Applicable height	120-200cm
Climbing angle	20°	Color	Black red
Battery capacity	48V 15Ah	Packing size	119*25*51CM
Maximum load	150kg		

Figure 8.1.1: Comprehensive table of product specifications.

9. WARRANTY AND SUPPORT

Mankeel offers a **1-year limited warranty** for parts of accessories. Please retain your proof of purchase for warranty claims.

For any inquiries, technical support, or warranty claims, please contact Mankeel customer support. Refer to the contact information provided with your purchase or visit the official Mankeel website.

You can also visit the [Mankeel Store on Amazon](#) for additional information and support resources.

ASK A QUESTION ABOUT THIS MANUAL

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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.

Submit question