Ecomobi MS02

Ecomobi MS02 4-Wheel Mobility Scooter User Manual

Model: MS02

1. Introduction

This manual provides essential information for the safe and effective operation, assembly, and maintenance of your Ecomobi MS02 4-Wheel Mobility Scooter. Please read this manual thoroughly before using the scooter to ensure proper function and to prevent injury or damage.



Image 1.1: The Ecomobi MS02 4-Wheel Mobility Scooter, showcasing its design with baskets and mirrors.

2. Safety Information

Your safety is paramount. Adhere to all safety guidelines to ensure a secure operating experience.

- **Weight Capacity:** Do not exceed the maximum load capacity of 300 lbs (136 kg).
- **Terrain:** Avoid steep slopes exceeding 15° and extremely uneven terrain.
- **Pre-Operation Check:** Always ensure the scooter is fully assembled and the battery is charged before use.
- **Visibility:** Utilize the front light and rearview mirrors for enhanced visibility and awareness of surroundings.
- **Anti-Collision Bar:** The front anti-collision bar provides protection during minor impacts.

- **Anti-Tip Wheels:** Rear anti-tip wheels are designed to prevent backward tipping on inclines.
- **Braking:** Familiarize yourself with the brake system for controlled stopping.
- **Reversing:** The horn will automatically sound when backing up to alert others.
- **Speed Control:** Adjust the speed control knob to a safe and comfortable speed for your environment.



Image 2.1: Key safety features of the MS02 scooter, including lighting, tires, and protective elements.

3. What's Included

Upon unpacking, verify that all components are present:

- 1 x Main Scooter Body
- 1 x Seat Assembly
- 1 x 15Ah Battery (or 25Ah depending on model)
- 1 x Front Basket
- 1 x Rear Basket

- 1 x Power Adapter
- 1 x User Manual and Toolkit
- 2 x Rearview Mirrors
- 1 x Headlight
- 2 x Armrests

Note: Orders including scooters and mirrors may be sent separately in two packages due to size limitations.

4. Setup and Assembly

The Ecomobi MS02 is designed for straightforward assembly. It can be quickly disassembled into four main pieces for transport and storage.

4.1 Initial Assembly

1. **Unpack Components:** Carefully remove all parts from the packaging.
2. **Attach Tiller:** Secure the foldable tiller to the main body.
3. **Connect Battery:** Ensure the detachable battery is correctly inserted and connected. The battery features power-off protection for safety.
4. **Install Seat:** Place the seat assembly onto the scooter's post.
5. **Attach Baskets:** Secure the front and rear baskets to their designated positions.
6. **Mount Mirrors:** Install the rearview mirrors onto the tiller.
7. **Adjust Seat and Armrests:** Adjust the seat height, armrest width, and pivot the armrests for personal comfort. The seat also rotates for easy entry and exit.



Image 4.1: Visual guide for assembly and disassembly, demonstrating how the scooter can be stored.

4.2 Charging the Battery

Before first use, fully charge the battery. The detachable battery allows for convenient charging both on and off the scooter.

- Connect the power adapter to the battery charging port.
- Plug the adapter into a standard electrical outlet.
- The charging indicator on the battery or adapter will show charging status.
- Disconnect the charger once the battery is fully charged.

5. Operating Instructions

The MS02 features intuitive controls for a smooth and controlled ride.

5.1 Control Panel Overview



Image 5.1: Detailed view of the scooter's control panel and its functions.

- **Key Switch:** Insert and turn the key to power on/off the scooter.
- **Power Indicator:** Displays the current battery level.
- **Speed Adjustment Knob:** Rotate to set your desired maximum speed (up to 7 MPH).
- **Left Control Lever:** Press to move the scooter in reverse.
- **Right Control Lever:** Press to move the scooter forward.
- **Horn Button:** Press to activate the horn.
- **Front Light Button:** Press to turn the front headlight on/off.

5.2 Driving the Scooter

1. **Power On:** Turn the key switch to the "ON" position.
2. **Set Speed:** Adjust the speed control knob to a comfortable setting. Start with a lower speed until you are familiar with the scooter's operation.
3. **Forward Movement:** Gently press the right control lever to move forward. Release the lever to slow down and stop.

4. **Reverse Movement:** Gently press the left control lever to move in reverse. The horn will sound automatically. Release the lever to stop.
5. **Steering:** Use the tiller to steer the scooter.
6. **Braking:** Releasing the control levers will engage the electromagnetic brake system, bringing the scooter to a stop.

Actual speed may vary due to factors such as road conditions, weight load, battery level, tire wear, vehicle maintenance, and ambient temperature.



Image 5.2: The MS02 scooter navigating an incline, highlighting its powerful motor.

6. Maintenance

Regular maintenance ensures the longevity and optimal performance of your Ecomobi MS02 Mobility Scooter.

- **Tire Pressure:** Periodically check and maintain the recommended tire pressure.
- **Fasteners:** Inspect all screws and bolts regularly and tighten any that are loose.

- **Cleaning:** Wipe down the scooter with a damp cloth. Avoid using harsh chemicals or excessive water.
- **Battery Care:** Keep the battery charged. Store the scooter with a fully charged battery if not in use for extended periods.
- **Handle Material:** The handle is made from durable, sunscreen-resistant, and non-slip material, designed for longevity.



Image 6.1: The scooter's durable handle material, designed for long-term use.

7. Troubleshooting

This section addresses common issues you might encounter with your MS02 Mobility Scooter.

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Scooter does not power on.	Battery not connected, battery discharged, key not fully inserted/turned.	Ensure battery is securely connected. Charge the battery. Turn the key fully to the "ON" position.
Scooter moves slowly or lacks power.	Low battery charge, speed setting too low, excessive load, uneven terrain.	Charge the battery. Adjust the speed knob to a higher setting. Reduce load. Operate on flatter surfaces.
Unusual noises during operation.	Loose components, debris in wheels, motor issue.	Check for and tighten any loose parts. Inspect wheels for obstructions. If noise persists, contact customer support.
Brakes not engaging properly.	Control levers not fully released, brake system malfunction.	Ensure control levers are fully released. If issue continues, cease use and contact customer support.

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

8. Specifications

Feature	Detail
Model Number	MS02
Motor Power	350W
Battery Options	15Ah or 25Ah Extended Battery
Max Speed	7 MPH (11.3 km/h)
Range	15-45 Miles (depending on battery and conditions)
Climbing Angle	Up to 15°
Weight Capacity	300 lbs (136 kg)
Product Dimensions (LxWxH)	48.75" x 19.7" x 37.5" (123.8 cm x 50 cm x 95.3 cm)
Item Weight	97 Pounds (44 kg)
Material	Metal frame



Image 8.1: Dimensional and performance specifications of the MS02 scooter.

9. Warranty and Support

Ecomobi is committed to providing excellent customer service and product support.

9.1 Warranty Information

- **Return Policy:** One-month free return policy for quality-related issues from the date of purchase.
- **Product Guarantee:** One-year guarantee on all Ecomobi products from the date of purchase.

9.2 Customer Support

For technical assistance, warranty claims, or any other inquiries, please contact our dedicated customer service team:

- **Email:** ECOMOBICLUB@OUTLOOK.COM (Online Mail Service 7/24)
- **Telephone:** +1(833)866-8282 (Available Mon-Fri, 9 AM-6 PM EST)

- **Lifetime Technical Support:** Expert assistance is available for the lifetime of your product.



Image 9.1: Ecomobi customer support contact details.

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

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