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## eAhora M1P Pro

# eAhora M1P Pro Electric Motorcycle User Manual

Model: M1P Pro

## 1. INTRODUCTION

This manual provides essential information for the safe and efficient operation and maintenance of your eAhora M1P Pro Electric Motorcycle. Please read this manual thoroughly before operating the vehicle and retain it for future reference.

The eAhora M1P Pro is a high-performance electric motorcycle designed for adult riders, featuring a 4000W motor, a 60V 42AH battery, and a top speed of 50 MPH. It offers a range of up to 55 miles on a single charge and is equipped with full suspension and dual hydraulic brakes for a comfortable and secure riding experience.



Image: The eAhora M1P Pro Electric Motorcycle, showcasing its design.

## 2. SAFETY INFORMATION

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Always prioritize safety when operating your electric motorcycle.

- Wear appropriate safety gear, including a helmet, gloves, and protective clothing.
- Familiarize yourself with local laws and regulations regarding electric motorcycle operation, including licensing requirements.
- Perform pre-ride checks as outlined in this manual.
- Do not operate the motorcycle under the influence of alcohol or drugs.
- Maintain a safe distance from other vehicles and pedestrians.
- Be aware of your surroundings and road conditions.



## 360° SAFETY LIGHT SYSTEM

M1P Pro provides a full set of lighting system, including emergency flashers, high/low beams, left/right turn signals, and license plate lights to ensure safe driving at night.

Image: The 360-degree safety light system, including headlights, turn signals, and taillights, for enhanced visibility.

### 3. ASSEMBLY AND SETUP

#### 3.1 Unboxing and Initial Inspection

Upon receiving your eAhora M1P Pro, carefully unbox all components. Inspect for any shipping damage. Ensure all parts listed in the packing list are present.

#### 3.2 Assembly Steps

The eAhora M1P Pro arrives approximately 85% assembled. Minimal assembly is required.

1. Attach the handlebar securely.
2. Install the mirrors.
3. Perform a general check of all bolts and connections to ensure they are tightened.

A step-by-step video guide is available to assist with the assembly process. Assembly typically takes under 30 minutes.

#### 3.3 Initial Battery Charge

Before the first ride, fully charge the 60V 42AH lithium battery. Connect the included 110V-220V charger to a standard outlet and then to the motorcycle's charging port. A full charge takes approximately 3-4 hours.



## LITHIUM BATTERY

Ultra-large-capacity battery with a maximum cruising range of 55 miles (18MPH in first gear). The battery is equipped with a BMS system to prevent overcharging and over-discharging of the battery and extend the service life of the battery.

Image: Illustration of the 60V 42AH lithium battery, highlighting its capacity.

## 4. OPERATION

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### 4.1 Starting the Motorcycle

Insert the key into the ignition and turn it to the 'ON' position. The IP67 color LCD display will illuminate, showing speed, trip odometer, and throttle gear.

### 4.2 Riding Modes

The M1P Pro features different riding modes to suit various conditions:

- **Eco Mode:** Provides extended range (up to 55 miles) at a reduced speed (approx. 18 MPH). Ideal for urban commuting and maximizing battery life.
- **Sport Mode:** Offers maximum speed (up to 50 MPH) and acceleration. Range is approximately 30 miles in this mode.

Switch between modes using the controls on the handlebar.



Image: Detailed view of the 4000W brushless motor, emphasizing its power and torque.

### 4.3 Braking System

The motorcycle is equipped with dual hydraulic disc brakes (front rotor 220mm, rear rotor 180mm) using DOT 4 braking fluid. These provide sensitive and effective stopping power. Apply both brakes smoothly for optimal control.



## DISC BRAKE SYSTEM

Hydraulic disc brakes with DOT 4 braking fluid (Brake rotor size: F 220 MM / R 180 MM) Good adaptability to various road surfaces conditions, weather and riding speed, faster response, powerful braking power

Image: Close-up of the disc brake system, illustrating its design for responsive braking.

### 4.4 Suspension and Tires

The M1P Pro features a 735mm front fork and 270mm dual ring hydraulic shock absorbers for a stable and comfortable ride. The 14-inch TNT vacuum tubeless tires (front: 120/80-14; rear: 215/40-12) are designed for all-terrain use, offering good adhesion and wear resistance.



## FRONT FORK SUSPENSION

Aluminum alloy hydraulic shock-absorbing suspension (length: 735mm) effectively reduces bumps and vibrations during riding, making the riding smoother, safer and more controllable.

Image: Illustration of the front fork suspension system, showing its shock-absorbing components.



## REAR SUSPENSION

The hydraulically adjustable double suspension (length: 270mm) can adjust the softness and hardness according to personal habits. It's up to you to decide whether you want a gentle and comfortable or sporty driving experience!

Image: Illustration of the rear suspension system, highlighting its adjustable hydraulic shocks.



## ALL TERRAIN TIRE

TNT straight-pattern vacuum tubeless tires (front: 120/80-14; rear: 215/40-12, width/height-diameter) are suitable for a wide range of terrains and offer excellent abrasion and skid resistance.

Image: Close-up of the all-terrain vacuum tubeless tire, showing its tread pattern for various surfaces.

## 4.5 Legal Requirements

eAhora electric motorcycles are DOT-certified. Licensing requirements for electric motorcycles can vary by state. Most states allow e-motorcycles under 50 MPH with a standard driver's license. It is the rider's responsibility to check local laws and regulations. The motorcycle comes with an MCO (Manufacturer's Certificate of Origin) for registration purposes.



Image: Visual guide on how to register the eAhora electric motorcycle using the provided MCO paper.

## 5. MAINTENANCE

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### 5.1 Battery Care

To maximize battery lifespan (rated for 600+ cycles, approximately 3-5 years):

- Avoid full discharges.
- Charge the battery after each ride.
- Store the motorcycle and battery in temperatures between 50-80°F (10-27°C).

### 5.2 General Maintenance

- Regularly check tire pressure. Front tire pressure should be 250kPa.
- Inspect brake pads and fluid levels periodically.
- Keep the motorcycle clean. The motor is IP67 waterproof and the battery is IP66-rated, allowing for use in wet conditions, but avoid high-pressure washing directly on electrical components.
- Check all fasteners and connections for tightness before each ride.

## 6. TROUBLESHOOTING

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The Double Turtle King display tracks speed, faults, and mileage in real-time, which can assist in diagnosing issues.

#### Common Issues and Solutions

Issue	Possible Cause	Solution
Reduced Range	Battery not fully charged, riding in Sport Mode frequently, cold weather, improper battery maintenance.	Ensure full charge, use Eco Mode for longer range, follow battery care guidelines, contact support if issue persists.
Motor Not Engaging	Battery low, loose electrical connection, kickstand engaged (if equipped with cut-off switch).	Check battery level, inspect connections, ensure kickstand is fully retracted.

Issue	Possible Cause	Solution
Display Error Codes	Indicates a specific system fault.	Refer to the display's user guide for specific code meanings or contact customer support with the error code.

For issues not covered here or for advanced diagnostics, please contact eAhora customer support.

## 7. SPECIFICATIONS

Feature	Detail
Model Name	M1P Pro
Motor Power	4000W Brushless Motor
Max Torque	170 NM
Top Speed	Up to 50 MPH
Battery	60V 42AH Lithium Battery (2520 Watt Hours)
Max Range	55 miles (Eco Mode), 30 miles (Sport Mode). Up to 110+ miles with optional second battery.
Charging Time	3-4 hours (with included smart charger)
Charger Input	110V-220V Universal
Max Load Capacity	440 lbs
Suspension	Front: 735mm Hydraulic Fork; Rear: 270mm Dual Ring Hydraulic Shock Absorbers
Brakes	Dual Hydraulic Disc Brakes (Front 220mm, Rear 180mm)
Tires	14-inch TNT Vacuum Tubeless (Front: 120/80-14; Rear: 215/40-12)
Waterproof Rating	Motor: IP67; Battery: IP66
Frame	Seamless Steel Tube Body
Display	IP67 Color LCD (Speedometer, Odometer, Throttle Gear, Faults)
Seat	Ergonomic Airbag Seat (Synthetic Leather)
Included Components	Tool Kit

## 8. WARRANTY AND SUPPORT

### 8.1 Warranty Information

The eAhora M1P Pro Electric Motorcycle comes with a 12-month limited warranty on most parts. Please refer to the warranty card included with your product for specific terms and conditions.

### 8.2 Customer Support

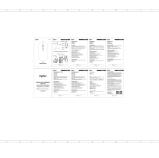
eAhora provides professional technical and customer service support. If you encounter any issues or have questions, please contact us through the following channels:

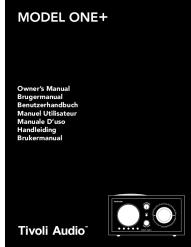
- Amazon After-Sales Team:** Contact our team directly through your Amazon order.
- Call Center:** +1 551-246-0188
- Email:** [amazon@eahoraebike.com](mailto:amazon@eahoraebike.com)
- Official Website:** Utilize the message center on the eAhora official website.

Please have your model number (M1P Pro) and purchase details ready when contacting support.



## Related Documents - M1P Pro

	<p><a href="#">Eahora Electric Scooter Display Manual: Center Menu and P Settings</a></p> <p>Comprehensive guide to the Eahora electric scooter center display menu, covering button functions, reset procedures, fault codes, and detailed P settings configuration for optimal performance and customization.</p>
	<p><a href="#">Inphic Wireless Mouse User Manual and Specifications</a></p> <p>Comprehensive guide for the Inphic wireless mouse, including setup instructions, technical parameters, operating system compatibility, warranty information, and contact details. Covers multilingual setup in English, German, French, Italian, and Spanish.</p>
	<p><a href="#">PNOZmulti Serial-to-Ethernet Connection: Application Note</a></p> <p>This application note from Pilz provides detailed instructions on establishing a serial-to-Ethernet connection for the PNOZmulti safety relay system, including hardware configuration, software setup, and programming.</p>

 <p>MODEL ONE+</p> <p>Owner's Manual Brugermanual Bedienungsanleitung Manuel Utilisateur Manuale D'uso Handleiding Bruksmanual</p> <p>Tivoli Audio®</p>	<p><a href="#">Tivoli Audio Model One+ Owner's Manual</a></p> <p>Comprehensive owner's manual for the Tivoli Audio Model One+ table radio, covering setup, features, operational instructions, and safety precautions. Available in multiple languages.</p>
 <p>AUNE</p> <p>M1p Portable Music Player</p> <p>User Manual</p>	<p><a href="#">Aune M1p Portable Music Player User Manual</a></p> <p>Comprehensive user manual for the Aune M1p portable music player, detailing its specifications, operations, settings, and connectivity features. Learn how to use your M1p for an excellent HiFi experience.</p>