

Ausom L2 Max Dual Motor

Ausom L2 Max Electric Scooter User Manual

Model: L2 Max Dual Motor | Brand: Ausom

1. INTRODUCTION

This user manual provides essential information for the safe operation, maintenance, and troubleshooting of your Ausom L2 Max Dual Motor Electric Scooter. Please read this manual thoroughly before operating the scooter to ensure proper use and to maximize its lifespan.

The Ausom L2 Max is a high-performance electric scooter designed for adults, featuring dual motors for powerful acceleration and a long-lasting 20.8Ah battery for extended range. It is equipped with advanced safety features including E-ABS and dual disc brakes, and an all-round lighting system for enhanced visibility.



Figure 1.1: Ausom L2 Max Electric Scooter. This image shows the full side profile of the scooter, highlighting its robust frame and large wheels.

2. SAFETY INFORMATION

Operating an electric scooter carries inherent risks. Adhere to all local laws and regulations regarding electric scooter use. Always wear a helmet and appropriate protective gear, including knee and elbow pads, when riding.

- **Pre-Ride Check:** Before each ride, inspect the brakes, tires, and all moving parts to ensure they are in good working order.
- **Braking System:** The scooter is equipped with an E-ABS and dual disc braking system for effective stopping. Familiarize yourself with the braking response in a safe environment.
- **Visibility:** Utilize the comprehensive lighting system, including headlights, rear brake lights, and joystick-controlled turn signals, especially during low-light conditions or night riding.
- **Weight Limit:** Do not exceed the maximum weight limit of 287 pounds (130 kg).

- **Environmental Conditions:** Avoid riding in heavy rain, snow, or icy conditions. The scooter is designed for off-road use but extreme conditions can compromise safety.

Dual Braking. Dual Safety.

Feel the great braking power and unmatched sensitivity at your fingertips.



Figure 2.1: Dual Braking System. This image shows a rider on the scooter, with a visual overlay highlighting the E-ABS and dual disc brakes for enhanced safety.

3. PACKAGE CONTENTS

Upon unpacking your Ausom L2 Max Electric Scooter, please verify that all the following items are included:

- 1 x Ausom L2 Max E-Scooter
- 1 x Charger
- 1 x Tool Kit
- 1 x User Manual (this document)
- 2 x Gloves

If any items are missing or damaged, please contact customer support immediately.

4. SETUP AND INITIAL ASSEMBLY

4.1 Unfolding the Scooter

1. Carefully remove the scooter from its packaging.
2. Locate the folding mechanism near the base of the handlebar stem.
3. Release the locking latch and gently lift the handlebar stem until it clicks into the upright, locked position. Ensure the latch is securely engaged.

4.2 Handlebar Attachment (if applicable)

Some models may require handlebar attachment. If so, align the handlebars with the stem and secure them using the provided screws and tool kit. Ensure all screws are tightened firmly.

4.3 Initial Charging

Before first use, fully charge the scooter's battery. Connect the charger to the charging port(s) on the scooter and then to a power outlet. The charging indicator on the charger will change color (e.g., red to green) when charging is complete. A full charge typically takes approximately 7 hours with dual charging ports.



Figure 4.1: Dual Charging Ports. The scooter features two charging ports for faster charging. Only one charger is included in the package.

5. OPERATING INSTRUCTIONS

5.1 Controls and LCD Dashboard

The Ausom L2 Max features a smart LCD dashboard that displays real-time speed, trip distance, and remaining battery power. It also allows for easy switching between speed levels and other operations.



Figure 5.1: Smart LCD Control Layout. This diagram labels the various controls on the handlebars, including the LCD display, brake levers, throttle, power switch, horn, turn signal switch, dual-drive switch, and plus/minus buttons.

- **Power Switch:** Press to turn the scooter on/off.
- **Throttle:** Controls acceleration.
- **Brake Levers:** Activates the E-ABS and disc brakes.
- **Plus Button / Light Switch:** Used to navigate menus, increase values, or activate lights.
- **Minus Button / Walk Mode:** Used to navigate menus, decrease values, or activate 3mph (5km/h) walk mode.
- **Turn Signal Light Switch:** Activates left or right turn signals.
- **Horn:** Activates the scooter's horn.
- **Dual-Drive Switch:** Engages or disengages the second motor for enhanced power.

5.2 Riding Modes

The scooter offers three speed levels for varied riding experiences:

- **Eco Mode:** For maximum range and energy efficiency.
- **Sport Mode:** Balances speed and range for general riding.
- **Race Mode:** Unleashes full power and top speed (up to 40 mph / 65 km/h).

Additionally, the scooter features a cruise mode for maintaining a constant speed and a 3mph (5km/h) walk mode for easy maneuvering when not riding.

5.3 Anti-theft Features

The Ausom L2 Max incorporates advanced anti-theft measures:

- **NFC/Passcode Security:** Unlock the scooter using your phone, a provided card, or by entering a passcode on the LCD dashboard. This prevents unauthorized use.
- **Hidden AirTag Mount:** A discreet compartment allows for the installation of an Apple AirTag (not included) for real-time tracking and enhanced security.

Dual Charging Ports

The 2 charging ports allow for simultaneous use of 2 chargers, enabling fast charging in **7** hours, much faster than you'd expect.



Faster Charging

*Only one charger is included in the package.



Figure 5.2: NFC Security Lock. This image illustrates how an NFC-enabled device can be used to unlock the scooter.

Safer and Stylish Night Tours

All-round lighting system makes your ride brighter and safer!

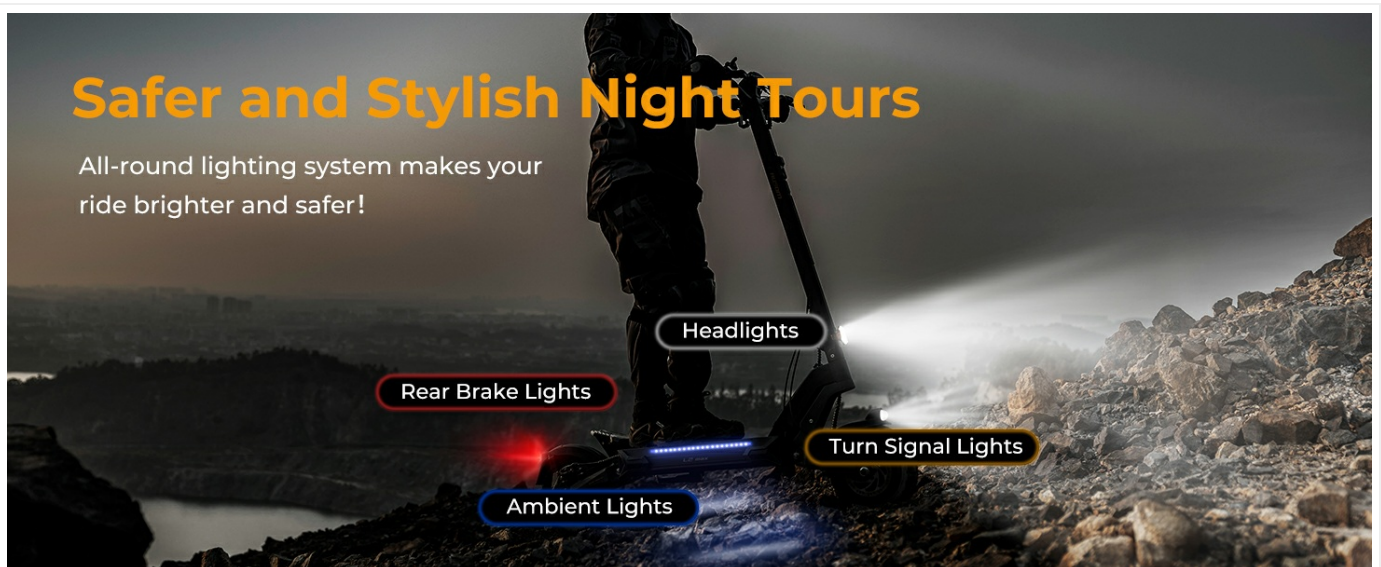


Figure 5.3: Hidden AirTag Slot. This diagram shows the location and mechanism for discreetly mounting an AirTag within the scooter's structure for tracking.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your scooter.

- **Tire Care:** The 10"x3" tubeless knobby tires are designed for durability. Regularly check tire pressure and inspect for any signs of wear or punctures. Maintain recommended pressure for optimal performance and safety.
- **Brake System:** Periodically inspect the disc brakes and E-ABS system for proper function. Ensure brake levers have appropriate tension and pads are not excessively worn.
- **Battery Care:** To prolong battery life, avoid fully discharging the battery frequently. Store the scooter in a cool, dry place and charge it periodically if not in use for extended periods.
- **Cleaning:** Use a damp cloth to wipe down the scooter. Avoid using high-pressure water jets or harsh chemicals, which can damage electronic components.
- **General Inspection:** Regularly check all bolts, screws, and connections for tightness. Ensure the folding mechanism operates smoothly and securely.



Figure 6.1: Tubeless Knobby Tires. These 10-inch tires are designed for off-road stability and puncture resistance, requiring regular inspection for optimal performance.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Scooter does not turn on.	Low battery; Power switch not pressed correctly.	Charge the battery fully. Ensure the power switch is pressed firmly.
Scooter enters Park mode automatically.	Scooter has been stationary for 30 seconds in non-zero start mode.	Exit Park mode by pressing the plus button manually.

Problem	Possible Cause	Solution
Reduced range or speed.	Low tire pressure; Overloaded scooter; Battery degradation.	Check and adjust tire pressure. Ensure rider weight is within limits. Contact support if battery performance significantly declines.
Brakes feel weak or inconsistent.	Worn brake pads; Loose brake cable; Air in hydraulic system (if applicable).	Inspect brake pads and replace if worn. Adjust brake cable tension. For hydraulic issues, professional service is recommended.

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

8. SPECIFICATIONS

Feature	Detail
Brand	Ausom
Model Name	L2 Max Dual Motor
Motor Power	Dual 1000W Brushless Motors (Max 2688W)
Battery	48V 20.8Ah
Max Speed	40 mph (65 km/h)
Max Range	Up to 56 miles (90 km)
Max Climb Angle	46% (20°)
Tires	10"x3" Tubeless Knobby Tires
Braking System	E-ABS + Front & Rear Disc Brakes
Suspension Type	Swingarm Suspension
Frame Material	6061 Aluminium Alloy
Weight Limit	287 Pounds (130 kg)
Item Weight	73.4 Pounds (33.3 kg)
Product Dimensions (LxWxH)	50.4"L x 27.1"W x 56.4"H (128cm x 68.8cm x 143.3cm)
Included Components	E-Scooter, Charger, Tool Kit, User Manual, Gloves

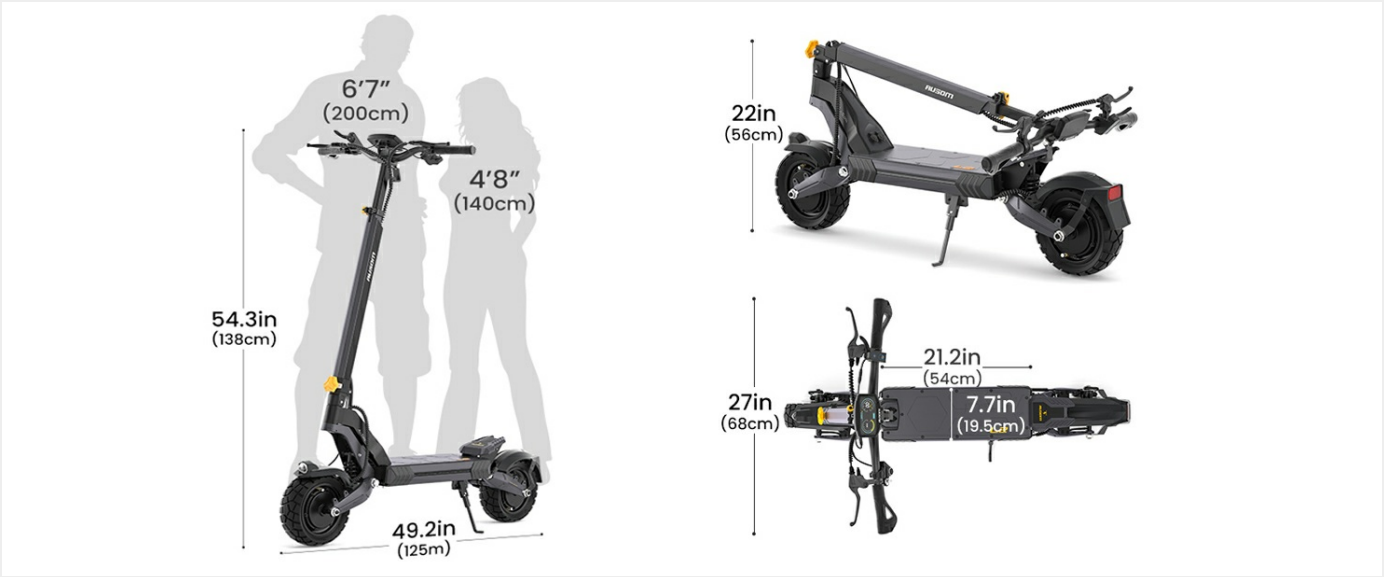


Figure 8.1: Scooter Dimensions. This diagram provides detailed measurements of the scooter in both unfolded and folded states, along with a height comparison.

9. WARRANTY AND SUPPORT

The Ausom L2 Max Electric Scooter comes with a warranty provided by the brand. Please refer to the warranty card included in your package or visit the official Ausom website for detailed warranty terms and conditions.

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact Ausom customer support through their official channels. Ensure you have your purchase receipt and product model information readily available.

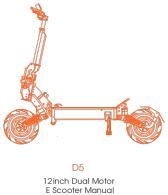




Contact Information: Please visit [the official Ausom Store on Amazon](#) or their dedicated support website for the most up-to-date contact details.



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Related Documents - L2 Max Dual Motor

<div>USER MANUAL</div>	<p>X-Tron X08 Electric Scooter User Manual</p> <p>Comprehensive user manual for the X-Tron X08 electric scooter, detailing specifications, components, packing list, fault codes, settings, and operational instructions for this dual-motor electric scooter.</p>
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 <p>OBARTER</p> <p>D5 12-inch Dual Motor E-Scooter Manual</p>	<p>OBARTER D5 12-inch Dual Motor Electric Scooter Manual</p> <p>Comprehensive user manual for the OBARTER D5 12-inch Dual Motor Electric Scooter, covering main components, technical specifications, display functions, operation, folding, battery removal, safety, charging, and warranty information.</p>
 <p>AUSOM</p> <p>DT2 Pro USER MANUAL</p>	<p>DT2 Pro Electric Scooter User Manual</p> <p>Comprehensive user manual for the Ausom DT2 Pro electric scooter, covering operation, safety guidelines, assembly, maintenance, troubleshooting, specifications, and compliance information.</p>
 <p>LAOTIE</p> <p>ES19 Manual</p>	<p>LAOTIE ES19 Electric Scooter User Manual</p> <p>Comprehensive user manual for the LAOTIE ES19 electric scooter, covering product introduction, part identification, folding instructions, charging, safety guidelines, display functions, specifications, and maintenance.</p>
 <p>Electric Scooter Instruction Manual</p> <p>High-end folding electric scooter</p>	<p>BOYUEDA S3-11 Electric Scooter Instruction Manual</p> <p>This instruction manual provides comprehensive details on the operation, safety, maintenance, and troubleshooting of the BOYUEDA S3-11 high-end folding electric scooter.</p>
 <p>isinwheel®</p> <p>S10 Max 400W USER MANUAL</p>	<p>isinwheel S10 Max Electric Scooter User Manual - Safety, Specs, and Operation Guide</p> <p>Comprehensive user manual for the isinwheel S10 Max electric scooter. Covers quick start, safety guidelines, product overview, charging, maintenance, specifications, troubleshooting, and app usage.</p>