

Ausom L1

Ausom L1 800W Electric Scooter User Manual

Model: L1

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Ausom L1 800W Electric Scooter. Please read it thoroughly before your first ride and retain it for future reference. Understanding the instructions will ensure optimal performance and longevity of your scooter.

2. SAFETY INFORMATION

Operating an electric scooter carries inherent risks. Always prioritize safety. Failure to follow these instructions may result in serious injury or property damage.

- Always wear a helmet and appropriate protective gear (e.g., knee pads, elbow pads, gloves).
- Ensure all components are securely fastened before each ride.
- Do not ride in adverse weather conditions (heavy rain, snow, ice).
- Adhere to local traffic laws and regulations.
- Maintain a safe speed and distance from other vehicles and pedestrians.
- Avoid riding under the influence of alcohol or drugs.
- The maximum weight limit for this scooter is 130 kg (287 lbs). Do not exceed this limit.
- This scooter is designed for adults.

3. PRODUCT OVERVIEW

The Ausom L1 is an 800W electric scooter designed for adult use, offering a balance of power, range, and safety features for urban commuting and recreational riding.



Image: Side view of the Ausom L1 Electric Scooter, showcasing its overall design and components.

Key Features:

- **Powerful Motor:** 800W motor for rapid acceleration and a top speed of 45 km/h (28 mph).
- **Long Range Battery:** 15.6Ah / 48V EVE lithium battery providing up to 70 km (44 miles) of range.
- **Advanced Braking:** Front and rear mechanical disc brakes with E-ABS for confident stopping.
- **Durable Tires:** 10-inch tubeless vacuum tires for various terrains.
- **All-Round Lighting:** Integrated LED headlight, taillight, brake light, and turn signals.
- **Comfortable Ride:** Advanced swingarm suspension for shock absorption.
- **Foldable Design:** One-click folding mechanism for portability.
- **Smart Display:** 4.5-inch LCD screen for essential ride information.

4. SETUP AND ASSEMBLY

4.1 Unfolding the Scooter

1. Place the scooter on a flat, stable surface.
2. Locate the folding mechanism latch near the base of the handlebar stem.
3. Release the latch and carefully lift the handlebar stem until it locks into the upright position. Ensure it is securely locked.
4. Adjust the handlebars to your preferred height by loosening the quick-release clamp, extending or retracting the stem, and then securely tightening the clamp.

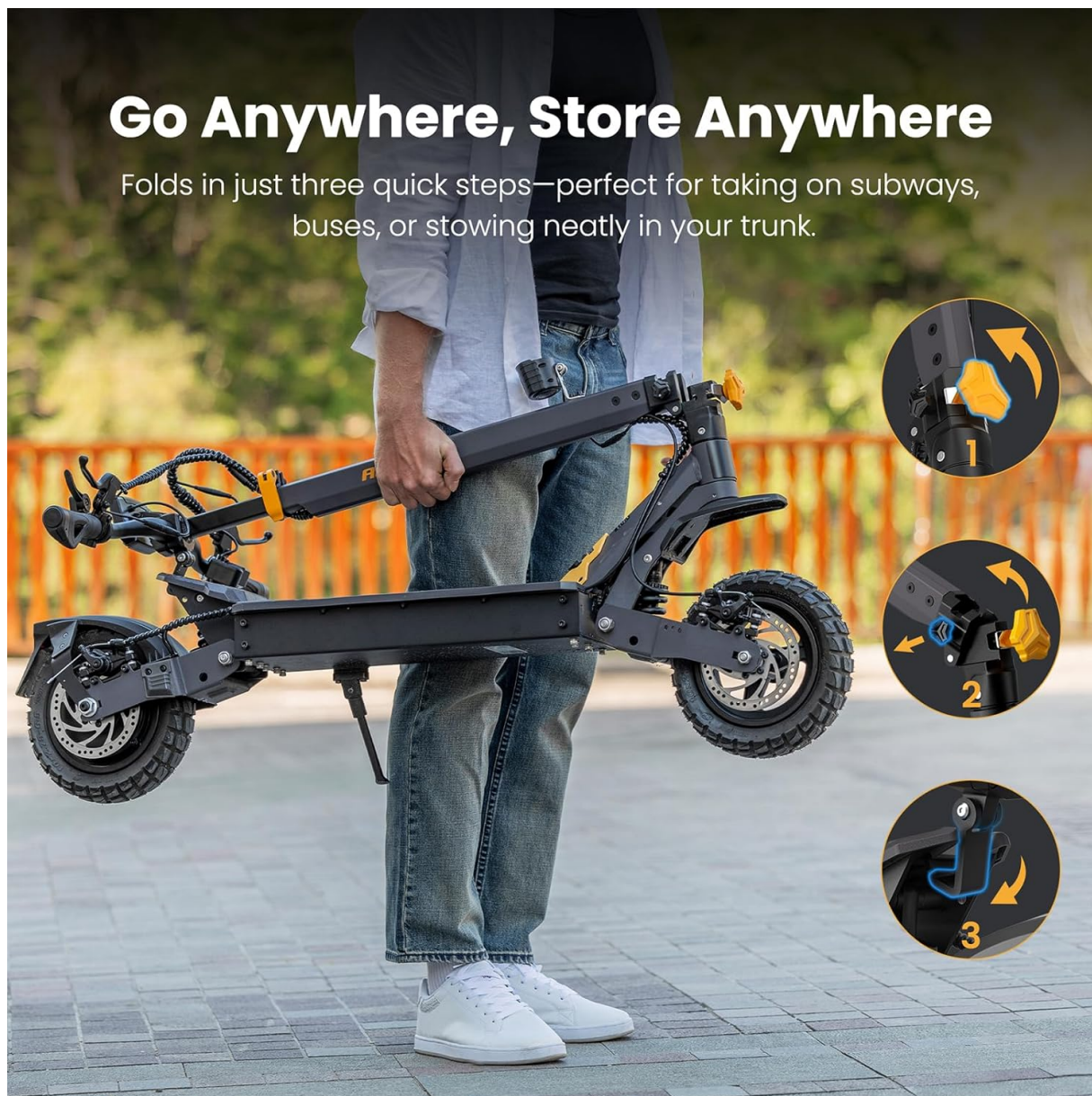


Image: Visual guide demonstrating the three steps to fold the Ausom L1 Electric Scooter for storage or transport.

4.2 Initial Checks

- Verify that both tires are adequately inflated.
- Test the brakes to ensure they are responsive and functional.
- Check that the headlight, taillight, and turn signals are working correctly.
- Ensure the battery is sufficiently charged before your first ride.

5. OPERATION

5.1 Powering On/Off

Press and hold the power button on the display unit to turn the scooter on or off. The 4.5-inch LCD screen

will illuminate, showing current speed, battery level, and riding mode.

Complete Control, Secure Access

Track speed, power, and ride settings at a glance with the 4.5-inch LCD display. Built-in NFC and password unlocking ensure both convenience and enhanced security.



Image: The 4.5-inch LCD display showing speed, battery, and riding modes, alongside an illustration of NFC card unlocking.

5.2 Riding Modes

The scooter features multiple riding modes (ECO, SPORT, RACE) which can be selected via the display unit to adjust speed and power output according to your preference and riding conditions.

5.3 Acceleration and Speed

The Ausom L1 is equipped with an 800W motor, providing strong acceleration and a maximum speed of 45 km/h (28 mph). Use the responsive throttle for speed control.

800W Motor for High-Speed Freedom

Unleash the **800W** motor for instant acceleration and up to **45 km/h** top speed—perfect for overtaking traffic or cruising new routes with ease.



Image: A rider on the Ausom L1 scooter, with an inset showing the internal components of the 800W motor.

5.4 Braking System

The scooter features front and rear mechanical disc brakes, enhanced with E-ABS, for reliable and controlled stopping. Apply both brake levers simultaneously for optimal braking performance.

Instant & Confident Braking

Ride safe with dual disc brakes and **E-ABS** for controlled stopping—even on slippery roads.



Image: A person riding the Ausom L1 scooter, with an inset showing a detailed view of the disc brake mechanism.

5.5 Lighting System

Activate the full LED lighting system, including the headlight, taillight, brake light, and turn signals, for enhanced visibility during day and night riding. Use the turn signal toggle switch to indicate turns.

Stay Visible, Stay Safe

Ride with confidence day or night. The full LED lighting system keeps you visible from every angle.



Image: The Ausom L1 Electric Scooter illuminated at night, demonstrating the functionality of its headlight and taillight.

5.6 NFC and Passcode Lock

For enhanced security, the Ausom L1 includes NFC and a passcode lock system. Refer to the display unit instructions for setting up and using these features to secure your scooter.

6. MAINTENANCE

6.1 Battery Care

The scooter is equipped with a 15.6Ah / 48V EVE lithium battery. To maximize battery life:

- Charge the battery fully before first use.
- Avoid completely draining the battery.
- Store the scooter in a cool, dry place when not in use.
- Charge the battery at least once every three months if stored for extended periods.
- Use only the official charger provided with the scooter.

Long-Range with **15.6Ah** Battery

Go farther with a **15.6Ah EVE** battery—up to **70km (44 miles)** per charge means less stopping, more riding.



Note: The maximum range is achieved with a full charge, a 65kg (143lb) load, at 20°C (68°F), a constant speed of 15km/h (9mph) on flat roads with no strong wind or braking.

Image: A rider on the Ausom L1 scooter, with an overlay highlighting the location of the 15.6Ah battery within the deck.

6.2 Tire Care

The 10-inch tubeless vacuum tires are designed for durability and puncture resistance. Regularly check tire pressure and inspect for any signs of wear or damage. Maintain proper tire pressure for optimal performance and safety.

10" Tubeless Tires for Everyday Terrain

Designed for everyday rides and light off-road adventures, deep-tread tubeless tires with an anti-puncture feature easily grip mud, snow, and gravel.



Image: Close-up view of the 10-inch tubeless tire of the Ausom L1 Electric Scooter, highlighting its tread pattern suitable for various terrains.

6.3 Brake Maintenance

Periodically inspect the brake pads and discs for wear. If you notice reduced braking performance or unusual noises, have the brakes inspected and serviced by a qualified technician.

6.4 Cleaning

Clean the scooter with a damp cloth. Avoid using high-pressure water jets or harsh chemicals, as these can damage electronic components or paintwork.

7. TROUBLESHOOTING

If you encounter issues with your Ausom L1 Electric Scooter, refer to the following common troubleshooting tips:

- **Scooter not powering on:** Ensure the battery is charged and securely connected. Check the power button for proper function.
- **Reduced range or speed:** This could indicate a low battery charge, improper tire pressure, or riding in challenging conditions (e.g., uphill, heavy load).

- **Brakes not responsive:** Inspect brake levers, cables, and disc pads for wear or damage. Adjust as necessary or seek professional assistance.
- **Unusual noises:** Stop riding immediately and inspect the scooter for loose parts, debris, or damage to wheels, motor, or suspension.

For issues not covered here, please contact Ausom customer support.

8. SPECIFICATIONS

Model Name	L1
Brand	Ausom
Motor Power	800W
Top Speed	45 km/h (28 mph)
Max Range	70 km (44 miles)
Battery	15.6Ah / 48V EVE Lithium
Climb Angle	25°
Tires	10-inch Tubeless Vacuum
Braking System	Front & Rear Mechanical Disc Brakes with E-ABS
Lighting	Full LED System (Headlight, Taillight, Brake Light, Turn Signals)
Display	4.5-inch LCD
Rider Height (Recommended)	150 - 200 cm (4'11" - 6'7")
Max Load	130 kg (287 lbs)
Product Dimensions (Unfolded)	27.1"L x 22"W x 49"H
Frame Material	Aluminum
Suspension	Advanced Swingarm Suspension

One Scooter, All Riders



Image: Diagram illustrating the dimensions of the Ausom L1 Electric Scooter in both unfolded and folded states, along with recommended rider height and maximum load capacity.

9. WARRANTY AND SUPPORT

9.1 Warranty Information




Your Ausom L1 Electric Scooter comes with a manufacturer's warranty. Please refer to the warranty card included in your product packaging for specific terms, conditions, and duration. Keep your proof of purchase for warranty claims.

9.2 Customer Support

For technical assistance, parts, or warranty inquiries, please contact Ausom customer support. You can find contact information on the official Ausom website or through your purchase platform.

Visit the official Ausom store for more information: [Ausom Store on Amazon](#)

Related Documents

	<p>L1 Electric Scooter User Manual - Safety, Operation, and Maintenance Guide</p> <p>Comprehensive user manual for the L1 Electric Scooter. Covers safety precautions, assembly, functions, charging, learning to drive, care and storage, technical parameters, app usage, warranty information, and FCC compliance.</p>
	<p>Ausom Leopard Electric Scooter User Manual</p> <p>Comprehensive user manual for the Ausom Leopard electric scooter, covering assembly, operation, maintenance, troubleshooting, and warranty information provided by Shenzhen Magic Wheel Technology Co., Ltd.</p>
	<p>Ausom DT1 PRO Electric Scooter User Manual</p> <p>Comprehensive user manual for the Ausom DT1 PRO electric scooter, covering assembly, operation, maintenance, troubleshooting, specifications, and warranty information.</p>
	<p>Ausom Gallop Electric Scooter User Manual</p> <p>Comprehensive user manual for the Ausom Gallop electric scooter, covering assembly, operation, maintenance, troubleshooting, and warranty information.</p>