

EXWAY Atlas A12WD

Exway Atlas All-Terrain Electric Skateboard User Manual

Model: Atlas A12WD

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INTRODUCTION

Welcome to the Exway Atlas All-Terrain Electric Skateboard user manual. This guide provides essential information for the safe and effective operation, maintenance, and troubleshooting of your new electric skateboard. The Exway Atlas is designed for high performance across various terrains, offering a powerful and versatile riding experience.

Please read this manual thoroughly before your first ride to ensure proper setup and to understand all safety precautions.

SAFETY GUIDELINES

Your safety is paramount. Always wear appropriate safety gear, including a helmet, knee pads, elbow pads, and wrist guards, when operating the Exway Atlas. Ride within your skill level and be aware of your surroundings.

- Always wear a helmet and protective gear.
- Do not ride in wet conditions or on slippery surfaces.
- Adhere to local traffic laws and regulations.
- Avoid riding in heavy traffic or crowded areas.
- Perform a pre-ride check before each use (brakes, wheels, battery level).
- Do not attempt stunts or maneuvers beyond your capability.
- Keep hands and feet clear of moving parts.

PRODUCT COMPONENTS

The Exway Atlas A12WD consists of several key components working together to provide its performance and versatility.

- Carbon Fiber Unibody Deck:** A durable and lightweight platform housing internal electronics.
- Swappable Drivetrain:** Supports both dual and quad motor configurations for varied power and terrain capabilities.
- Pneumatic Tires:** 160x50mm rugged all-terrain, all-weather tires suitable for various conditions.
- DKP Trucks:** Ultra-stable Trist 9.5" Double Kingpin Trucks for enhanced maneuverability.
- User-Replaceable Battery:** Internal 691Wh battery with optional AUXPack for extended range.

- **Rexus Remote:** Next-generation remote with 1.32-inch high-brightness touchscreen for precise control and real-time data.
- **Smart Charging System:** Compatible with SC1050 smart charger for fast and efficient charging.





Figure 1: Top and bottom view of the Exway Atlas A12WD electric skateboard, showcasing its carbon fiber deck and motor configurations.

SETUP AND FIRST USE

1. Unboxing and Inspection

Carefully remove all components from the packaging. Inspect the skateboard for any signs of damage during transit. Ensure all listed components are present.

2. Initial Charging

Before first use, fully charge the skateboard's battery. Connect the charger to the charging port on the board and then to a power outlet. The charging indicator on the charger will show the charging status. A full charge typically takes approximately 3.5 hours with the standard charger, or 1 hour with the SC1050 smart charger.

Experience Ultimate Performance

True power: 2520W (2WD), 5040W (4WD)



Braking distance
↓ 70%



traction doubled with
4wd, tackle any incline
at ease



Figure 2: The Exway Atlas electric skateboard connected to its charger, illustrating the charging process.

3. Remote Control Pairing

The Rexus Remote should come pre-paired with your board. If re-pairing is needed, refer to the remote's specific instructions. Ensure both the board and remote are powered on and within close proximity during pairing.

SC1050 Smart Charging

It intelligently matches charging parameters, and its volume is 60% smaller compared to other chargers of the same power.

1 Hour

Full charging
time

750W

Charging
Power



Figure 3: A close-up view of the Rexus Remote, highlighting its display and controls for the Exway Atlas skateboard.

4. App Connection (Optional but Recommended)

Download the ExSkate App from your device's app store. Connect your board via Bluetooth to the app to access customizable features, ride logging, activity tracking, and OTA updates. This allows for fine-tuning of performance settings.

OPERATING YOUR SKATEBOARD

1. Powering On/Off

To power on the board, press and hold the power button on the deck until the indicator lights illuminate. To power off, press and hold the same button until the lights turn off. Power on the remote control separately.

2. Riding Modes and Control

The Exway Atlas offers various riding modes accessible via the Rexus Remote or ExSkate App. These modes adjust

acceleration, top speed, and braking sensitivity. Start with a lower speed mode until you are comfortable with the board's handling.

- **Acceleration:** Use the throttle wheel on the remote to control speed.
- **Braking:** Use the brake lever/button on the remote. The EBS regenerative brakes capture energy during braking.
- **Steering:** Lean your body to steer the board. The DKP trucks provide excellent turning radius.
- **Drivetrain Swap:** The modular design allows swapping between dual and quad motor drivetrains. Refer to the detailed guide for this advanced procedure.



Figure 4: The Exway Atlas electric skateboard in action, demonstrating its use on a paved surface.

3. Terrain Adaptability

The Atlas is designed for all-terrain use. Its pneumatic tires and powerful motors allow it to handle smooth pavement, light trails, and damp conditions. Exercise caution on loose gravel, sand, or extremely wet surfaces.

Fully Upgraded Performance

2520W 2WD Power

5040W 4WD Power



1987Wh

Built - in 691Wh battery.
+ AUXPack for 62miles range



4 Hour

Standard 167W GaN charger.
Max 750W EC+ smart charging.

22 Range miles

34 Top Speed miles/h

Figure 5: The Exway Atlas electric skateboard navigating a dirt path, showcasing its all-terrain design.

4. Extending Range with AUXPack

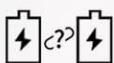
The optional AUXPack battery can significantly extend your riding range. Installation is designed to be user-friendly. Ensure the board is powered off before installing or removing the AUXPack. The system automatically balances power between the internal and AUXPack batteries.

Triple The Range (62miles)

It supports the installation of AUXPack range-extending battery, enabling a maximum battery capacity of 1987Wh.



Quick disassembly



Worry-Free attach



Auto battery power
balance



Synchronous
charging



Figure 6: The Exway Atlas electric skateboard with the optional AUXPack battery, illustrating its extended range capability.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Exway Atlas. Always power off the board before performing any maintenance.

1. Cleaning

Wipe down the deck and components with a damp cloth after each ride, especially if riding in dusty or muddy conditions. Avoid using high-pressure water jets directly on electronic components or bearings. The IP55 water resistance protects against splashes, but not submersion.

2. Wheel and Tire Care

Check tire pressure regularly and inflate to the recommended PSI (refer to tire sidewall). Inspect tires for wear, cuts, or punctures. Replace worn tires promptly to maintain grip and safety. Check wheel bearings for smooth rotation and

clean/lubricate as needed.

3. Battery Care

Store the board in a cool, dry place. If storing for extended periods, ensure the battery is charged to approximately 50-60% to preserve battery health. Avoid fully discharging the battery or leaving it fully charged for long durations.

4. Belt and Motor Inspection

Regularly inspect the drive belts for tension and wear. Replace belts if they show signs of cracking, fraying, or excessive stretching. Check motor mounts for tightness.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Board not powering on	Low battery; loose connection; power button malfunction.	Charge battery fully; check all cable connections; contact support if issue persists.
Remote not connecting	Remote battery low; out of range; pairing issue.	Charge remote; move closer to board; re-pair remote according to instructions.
Reduced range or power	Battery degradation; riding conditions (uphill, heavy load); tire pressure.	Ensure battery is fully charged; check tire pressure; consider AUXPack for extended range.
Unusual noises from motors/wheels	Debris in motors; worn bearings; loose belts.	Inspect motors for debris; check and replace worn bearings; adjust belt tension.

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

SPECIFICATIONS

Feature	Detail
Model	Atlas A12WD
Top Speed	Up to 35 Mph (56 km/h)
Range	Up to 24 Miles (38 km) with internal battery; up to 62 Miles (100 km) with optional AUXPack
Motor Power	2520W (2WD), 5040W (4WD)
Battery Capacity	691Wh (internal), 1296Wh (AUXPack 2025)
Charging Time	Approx. 3.5 hours (standard charger), 1 hour (SC1050 smart charger)
Deck Material	Carbon Fiber, Maple Wood
Deck Dimensions	46.69 x 12.28 x 6.3 inches (100 x 25.5 cm for carbon fiber deck)
Item Weight	12 Kilograms
Load Capacity	780 Pounds
Wheel Size	160mm pneumatic tires

Feature	Detail
Water Resistance	IP55

WARRANTY AND SUPPORT

Warranty Information

The Exway Atlas A12WD comes with a **12-month warranty** starting from the date the board is received. This warranty covers manufacturing defects and issues arising from normal use. To claim warranty service, customers must provide valid proof of purchase.

Please note that the warranty does not cover damage caused by misuse, accidents, unauthorized modifications, or normal wear and tear of consumable parts (e.g., tires, belts, bearings). Replacement parts are available for purchase after the warranty period.

Customer Support

For any questions, concerns, or technical assistance, please contact Exway customer support. We value your feedback and are committed to providing excellent service.

Email: amazon@exwayboard.com

Responses typically within 24 hours.



Figure 7: Exway brand logo and an image representing customer support, indicating available assistance.