



# Safety & Use Overview

Built for Outdoors. Ready for Independence

## General Safety Guidelines

- ✓ **Never travel alone** when heading off-road or into isolated areas.
- ✓ **Share your travel plans** with a friend, carer or family member.
- ✓ **Carry your mobile phone** and enable GPS tracking apps.
- ✓ **Keep an emergency contact** saved in your phone.
- ✓ **Check weather and terrain conditions** before each trip.



**Drive wheels**  
14" pneumatic tires



**Ground Clearance**  
10.7 cm



**Drivetrain**  
4 motor, independent drive



**Weight Capacity**  
160kg



**Battery Size**  
(2) 95AH



**Turning Radius**  
125cm



## Outdoor-First Design Considerations

- The Quantum Outback 4x4 is purpose-built for **outdoor use**:
  - **Large 14" off-road tyres**
  - **Powerful 4-motor drivetrain**
  - **Extended turning radius** makes indoor use less practical
- Best suited for users needing off-road mobility, access across rural properties, or recreational terrain like beaches or trails.
- Not recommended for confined indoor environments or small-access homes.

## Maintenance

- **Servicing is essential** for performance and lifespan.
- Daily user checks should cover:
  - **Tire pressure and wear**
  - **Battery charge**
  - **Cleaning after exposure to salt or moisture**
- Report any unusual noises or responsiveness immediately.

# Driving Safety Tips

## During Trial and Use

- Practice both **indoor** and **outdoor** driving.
- Consider:
  - **Transfers:** How will the user move into/out of the chair?
  - **Seating needs** and possible changes for comfort and posture.
  - Any **daily living barriers** or access issues in your environment?
  - Can a current chair be modified instead (e.g., with community tires)?.



## Driving Skills

- **Indoor:** Slow movements, turn awareness, reversing, obstacle checks.
- **Outdoor:** Practice kerbs, steps, slopes, loose surfaces, puddles.
- **Plan ahead:** Use forward-looking vision and prepare alternate paths when outdoors.
- **Choose the path of least resistance:**
  - Evaluate Terrain Characteristics
  - Identify Potential Hazards
  - Use Forward-Looking Vision
  - Plan Alternate Routes

## Comfort & Control

- **Customisable seating** and **power seat functions**
- **Reverse camera** and **headlights** for visibility
- Supports **alternative controls** – e.g. joystick or switches
- Allows **personalised programming** of speed, acceleration, joystick sensitivity, and tremor control.

## Final Thoughts

- Designed for those who need **freedom in outdoor environments**.
- Assess whether it meets goals through trial and **clinical reasoning**.
- **Not all terrain is equal** – safety starts with the right setup, support and skills.

## Questions or Support?

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