



# Owner's Manual

## DX, LX and Elite EX

# Geo Cruiser™ Owner's Manual



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# Introduction

Congratulations on the purchase of your new Geo Cruiser™ Foldable Power chair. The Geo Cruiser is engineered and designed to provide great comfort and mobility, in a compact foldable design. It is ideal for travel and an on the go lifestyle.

What makes the Geo Cruiser unique is its ability to fold and unfold in less than a minute, while not compromising comfort and functionality. It is designed to provide years of dependable operation, while enabling you to enhance the quality of your life allowing you to experience an active daily lifestyle.

We highly recommend that you thoroughly read and have a good understanding of this user manual, and that you follow all the instructions and recommendations provided before you proceed to operate your Geo Cruiser. If for any reason, you feel you do not understand the operating instructions or recommendations presented in this manual, or if you have any questions regarding the operation and maintenance of this product, we ask that you contact one of our customer care representatives. A Geo Cruiser customer care representative can be contacted at 800-530-9594.

## Important Disclaimer

Geo Cruiser, its affiliates, and partners, cannot be held responsible for personal injury or property damage that results from the unsafe or the improper operation or maintenance of the Geo Cruiser Power chair. We reserve the right to make design changes to the Geo Cruiser as deemed necessary to improve the design or to add value. As a result, there could be minor differences between the product that you have purchased and the photos, illustrations and instructions in this manual. Please check our website at [www.pathwaymobility.com](http://www.pathwaymobility.com) for revisions to our documentation.

## Warranty Card

We strongly recommend that you fill out and mail the enclosed warranty registration card, or register your product on our website.

## Shipping and Delivery

We highly recommend that before you start using your Geo Cruiser, you make sure the delivery was complete. If you do not receive a complete delivery, please contact us. If damage has occurred during transport, either to the packaging or contents, immediately contact the delivery company responsible for the shipment.

The following should be included:

- Owner's Manual (1)
- Battery (2)
- Battery Charger (1)
- Under Seat Basket (1)
- Seat and Backrest Cushions
- (1) Wrench, (2) Allen Wrench's

**Note:** We highly recommend that you keep the original packing box in the event you need to send your Geo Cruiser in for future service, or if you relocate.

# Product Specifications

	<b>Geo DX</b>	<b>GEO LX</b>	<b>GEO EX</b>
<b>Product Weight (With Battery):</b>	55 Lbs.	59 Lbs.	65 Lbs.
<b>Maximum Weight Capacity</b>	270 lbs.	350 lbs.	350 lbs.
<b>Unfolded Size (L x W X H):</b>	38" X 23" X 33"	37" X 27" X 35"	37" X 27" X 35"
<b>Folded Size (L x W X H):</b>	13" X 23" X 29"	13" X 27" X 30"	13" X 27" X 30"
<b>Frame Material</b>	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy
<b>Travel Distance</b>	Up to 15 Miles	Up to 15 Miles	Up to 15 Miles
<b>Maximum Speed (Adjustable)</b>	Up to 5 MPH	Up to 5 MPH	Up to 5 MPH
<b>Seat Size (L x W):</b>	15.5" X 17"	17" X 17"	17" X 17"
<b>Seat Height (From Ground):</b>	19"	21"	21"
<b>Arm Rest Height (From Ground):</b>	28"	28"	28"
<b>Joystick Height (From Ground):</b>	28.5"	28.5"	28.5"
<b>Turn Radius:</b>	31.5"	34.5"	34.5"
<b>Ground Clearance (Foot Rest to Ground):</b>	3.1"	3.1"	3.1"
<b>Front Wheels (Diameter x Width):</b>	8" X 2"	8" X 2"	7" X 2"
<b>Rear Wheels:</b>	8" X 2"	8" X 2"	10" X 2"
<b>Front Wheel Material:</b>	Solid, Polyurethane	Solid, Polyurethane	Solid, Polyurethane
<b>Rear Wheel Material:</b>	Polyurethane/Rubber	Polyurethane/Rubber	Polyurethane/Rubber
<b>Incline/Slope Capability</b>	12 Degrees	12 Degrees	12 Degrees
<b>Motor:</b>	(2) 180W Brushless Motors	(2) 180W Brushless	(2) 250W Brushless
<b>Brakes:</b>	Electromagnetic	Electromagnetic	Electromagnetic
<b>Battery:</b>	(2) Lithium Ion/24V 10aH	(2) Lithium Ion/24V 16aH	(2) Lithium Ion/24V 16aH
<b>Battery Weight</b>	5 lbs. (2.5lbs each)	6 lbs. (3lbs each)	6 lbs. (3lbs each)

# Product Diagram



\*there are two batteries

# II. Safety

It is very important that you understand the safety instructions and recommendations before operating this product.

## **READ AND REVIEW THIS MANUAL AS OFTEN AS NEEDED**

Before operation of the Geo Cruiser, you, and anyone assisting you, should read the entire contents of this owner's manual and follow all instructions and review all warnings to insure the proper operation of the Geo Cruiser.

## **WARNINGS**

The word "**WARNING**" refers to a hazard or unsafe practice that may cause severe injury or even death to you or to other persons if the warning is not followed. The "Warnings" are in the following areas:

### **1. GENERAL WARNINGS**

These provide a safety checklist and a summary of the risks you need to be aware of before operating the Geo Cruiser.

### **2. WARNINGS (COMPONENTS & OPTIONS)**

Here you will learn about the Geo Cruiser. Consult your health care professional to help you choose the best set-up and options for your safety.

### **3. BATTERIES**

Here you will learn about battery and charger safety, and how to avoid injury.

### **4. EMI**

This covers electromagnetic interference and how it can affect your power chair

**NOTE** – Where they apply, you will also find "**Warnings**" in other sections of this manual.

## **IMPORATANT SAFTEY TIPS**

### **MOTOR VEHICLE SAFETY**

1. Never sit in the Geo Cruiser while traveling in a van, train, bus or other vehicle that accommodates a power chair unless the Geo Cruiser is properly secured to the vehicle. This will allow you to avoid being thrown due to sudden braking, or an accident.
2. Never transport the Geo Cruiser in the front seat of a vehicle. It may shift and interfere with the driver.
3. Again, always secure the Geo Cruiser so that it cannot roll or shift.

## II. SAFETY

**NOTE** – It is important that you pay close attention to all warnings in this section. If you fail to do so, you may fall, tip-over or lose control resulting in severe injury to you or others.

1. The Geo Cruiser should be adjusted to fit your needs and/or disability.
2. Every power chair is different. Take the time to learn the feel of the Geo Cruiser before you begin riding.
3. Be aware that you must take into consideration your own needs and/or your disability so that you can further develop additional methods for the safe use and operation of this Geo Cruiser power chair.
4. Have someone help you practice bending, reaching and transferring to the Geo Cruiser until you learn how to do these things safely.
5. Never try a new maneuver on your own unless you are sure it is safe.
6. Get to know the areas where you plan to use your Geo Cruiser. Look for hazards and learn how to avoid them.

### NOTICE TO FAMILY, FRIENDS AND /OR ATTENDANTS

Make sure that you pay careful attention to all warnings and follow all instructions in each section of this manual. (Be aware that warnings that apply to the rider also apply to you).

### WEIGHT LIMITS

DX	LX	EX
270 lbs.	350 lbs.	350 lbs.

1. Never exceed a total weight limit for the model that you have. This includes items carried.
2. You should not attempt to perform weight training on your Geo Cruiser if the total weight (rider plus additional weights) exceeds the weight of your unit.
3. Exceeding the weight limit is likely to damage the seat, frame, or fasteners and may cause severe injury to you or others from power chair failure. Exceeding the weight limit will void the warranty.

### CONTROLLER SETTINGS

Get familiar with the controller settings and touch sensitivity of the joystick and the speed control. You will also need to get use to the joystick forward and reverse function, as well as braking. We do sell a joystick programmer in the event you want to slow the speed even more than the default settings, or if you want to change other parameters.



# II. SAFETY

## WHEN SEATED IN A PARKED GEO CRUISER

- Always power-down your Geo Cruiser when you are parked, even for a moment. This will prevent:
  - a. Accidental movement from contact with the throttle lever by you or others.
  - b. Unintended brake release or movement from EMI sources.
- Make sure that persons who help you (for example, store clerks) are aware of the joystick and do not touch it. If they do, your Geo Cruiser may move suddenly when you do not expect it.

## REACHING OR LEANING

Reaching or leaning could affect the center of balance of your power chair. If done improperly, a fall or tip-over is likely. When in doubt, ask for help or use a device to extend your reach. To reduce the risk of injury and/or damage to the Geo Cruiser:

- Never reach or lean if you must shift your weight sideways or rise-up off the seat.
- Never reach or lean if you must move forward in your seat to do so.
- Never reach with both hands (you may not be able to catch yourself to prevent a fall if you lose your balance). Never try to pick up an object from the floor by reaching down between your knees.
- Under no circumstance should you try to pick up anything through the space between your knees or in front of your body.
- Do not rest forcefully against the top of the backrest to avoid tipping over the chair and causing damage to the backrest.

### IF YOU MUST REACH OR LEAN, REMEMBER TO:

- a. Move your Geo Cruiser as close as you can to the object you wish to reach.
- b. Turn off all power to the Geo Cruiser. If you fail to do so, you may touch the joystick and cause your power chair to move when you do not expect it.
- c. Firmly grasp an armrest with one hand. This will help to prevent a fall if the Geo Cruiser tips.

## CORNERING INFORMATION

When cornering, make sure you are not operating at a high speed or you will increase the possibility of tipping. Things that will affect the possibility of tipping may include, but are not limited to, the cornering speed, how sharply you are making the turn, uneven road surfaces, and an inclined road surface. Overall, we strongly recommend that you avoid high speed cornering and always operate your Geo Cruiser at a safe and cautious speed.

# II. SAFETY

## OBSTACLES

Obstacles you may have to overcome in daily use include door thresholds, lifts, ramps and hazards such as potholes and broken pavement. These could damage the Geo Cruiser and may cause a fall, tip-over or loss of control. **Always remember to:**

1. Keep your eyes moving when you ride; scan the area well ahead of the Geo Cruiser.
2. Make sure the floor areas where you use the Geo Cruiser are level and free of obstacles.
3. To help correct your center of balance:
  - a. Lean your upper body forward slightly as you go up over an obstacle.
  - b. Press your upper body backward as you go down from a higher to a lower level.

## RAMPS, SLOPES & SIDEHILLS

The center of balance of your Geo Cruiser changes when you are on a slope. Never use this Power chair on a slope unless you are sure it is safe. When in doubt, have someone help you.

**NOTE: "Slope" includes a ramp or side hill. Your Geo Cruiser is less stable when it is at an angle**

### Beware of:

1. Steep slopes. Do not use your Geo Cruiser on a slope steeper than 10°. (A 10° slope means: One foot in elevation for every ten feet of slope length).
2. Wet or slippery surfaces (such as when an ice, snow, water or oil film is present). A loss of traction may cause a fall or tip-over.
  1. A change in grade on a slope (or a lip, bump or depression). These may cause a fall or tip-over.
  2. A drop-off at the bottom of a slope. (A drop-off of as small as 3/4 inch can stop a front caster and cause the Geo Cruiser to tip forward).

## II. SAFETY

### RAMPS AT HOME & WORK

Make sure ramps meet all building codes for your area.

For your safety, have a licensed contractor build or remodel ramp to meet all standards.

#### At A Minimum:

1. Open sides of ramp must have side rails to prevent your Geo Cruiser from going over the edge.
2. Slope must not be steeper than one inch in height for every one foot of slope length.
3. Ramp surface must be even, and have a non-skid surface.
4. You may need to add a section at the top or bottom to avoid a lip or drop-off.
5. Ramp must be sturdy. Add bracing if needed so the ramp does not “bow” when you ride on it.

### CURBS & SINGLE STEPS

1. Your Geo Cruiser is not designed to drive up or down a curb or step more than 1/2-inch high. Doing so may:
  - a. Result in a fall or tip-over.
  - b. Damage the frame, wheels, axles or other power chair parts, or loosen fasteners.
2. To prevent a fall or tip-over, use power chair access ramps or have someone help you.
3. When climbing up or descending a curb, approach at a slow speed and go straight up or down to avoid tipping. Also avoid turning or approaching this maneuver at an angle as you climb or descend as a fall or tip-over could result.
4. Make sure that persons who assist you review the “Tips for Attendants” and heed all warnings.
5. Avoid driving along curb edges and drop-offs. A minimum distance of eight inches (8”) from the curb is recommended.

### CENTER OF BALANCE

Maintain a safe center of balance. This is determined by:

1. A change in your body position, posture or weight distribution
2. Using the Geo Cruiser on a ramp or slope
3. The use of a bag pack or other options, and the amount of added weight.

## II. SAFETY

### STAIRS

Never use your Geo Cruiser to go up or down stairs, even with an attendant. Doing so is likely to cause a fall or tip-over

### ESCALATORS

Never take your Geo Cruiser on an escalator, even with an attendant. Doing so is likely to cause a fall or tip-over.

#### **To reduce the risk of a fall, tip over or loss of control:**

Never use your Geo Cruiser on a slope unless you are sure you can do so without losing traction. Go as straight up and as straight down as you can. Do not “cut the corner” on a slope or ramp. Do not turn or change direction on a slope.

1. Always stay in the center of the ramp. Make sure ramp is wide enough that you are not at risk that a wheel may roll off the side.
2. Lean or press your body uphill. This will help adjust for a change in the center of balance caused by the slope.
3. Always drive your Geo Cruiser moving at a slow steady speed. Keep control over the Geo Cruiser always.

### ENVIRONMENTAL CONDITIONS

**Your Geo Cruiser is not designed for use in a heavy rain storm, or snowy or icy conditions.**

The frame is anodized which reduces corrosion and the unit overall is rated at IP4 (Industry standard for protection of electrical components from water-IP4 represents the unit can withstand splashes from water and not get compromised). To avoid failure to your Geo Cruiser:

- Minimize exposure of your Geo Cruiser to a rain storm or very wet conditions. Since the Geo Cruiser is IP4 it will not get any damage from water splashes.
- Never take your Geo Cruiser into a shower, tub, pool or sauna.
- Do not use your Geo Cruiser in fresh or salt water (such as at the edge of a stream, lake, or ocean).
- Make sure all electrical connections are secure. Dry the Geo Cruiser as soon as you can if it gets wet, or if you use water to clean it.
- Make sure the battery area is kept dry.
- When the chair is wet, immediately pull out the battery and allow it to dry naturally. Put the battery back after the chair is completely dried.

# II. SAFETY

## ENVIRONMENTAL CONDITIONS (Continued)

- Proceed slowly and use extra care if you must operate your power chair on a wet or slick surface.
- Stop if one or both main wheels lose traction. If this occurs, you may lose control of your Geo Cruiser or fall.
- Never operate your Geo Cruiser on a slope or ramp if there is snow, ice, water or oil film present. When in doubt, have someone help.
- When not in use, keep your Geo Cruiser in a clean, dry place
- Do not drive into slopes or ramps covered with snow, ice, water, oil, etc.
- In the event the wheels lose traction, immediately stop to avoid losing control of the chair (e.g. slipping, tipping over, etc.).

## CONTROLLER BOX

The controller which receives the signal from the joystick controller and transfers it to the motor and brakes which are in the rear section under the seat of the Geo Cruiser. Try to avoid the controller from being exposed to extreme moisture.

## BRAKING SYSTEM

The Geo Cruiser is equipped with electromagnetic regenerative brakes. This means that the Geo Cruiser will stop when the joystick is back at the default position (center/stop position).

## WARNINGS: COMPONENTS & OPTIONS

**NOTE:** Do not use any parts or components unless they have been authorized in writing by a representative of our company.

## ARMRESTS

The Geo Cruiser armrests are designed to flip up. Make sure to never lift the Geo Cruiser by its armrests.

## BATTERIES

1. You can only use batteries approved and supplied by our company. Our batteries are special lithium batteries designed specifically for the use with the Geo Cruiser. Do not mix batteries from other Geo Cruiser products that are not identical in specification.
2. When you receive your Geo Cruiser, you must charge the battery for twenty-four (24) hours before attempting to operate for unit for the first time. Failure to do so could result in damage to the battery.
3. Read all battery instructions before attempting to change or charge batteries.

## II. SAFETY

### **DURABLE SYNTHETIC NYLON MESH SEAT CUSHIONS**

1. The Geo Cruiser seat is designed for comfort, not specifically for the relief of pressure.
2. If you suffer from pressure sores, or if you are at risk that they will occur, you may add a special seat cushion to help relieve this issue. Consult your doctor, nurse or therapist to find out if you an after-market seat cushion is advisable.

### **FASTENERS**

Many of the screws, bolts and nuts on the Geo Cruiser are special high-strength fasteners. Replacing these fasteners with non-approved parts may cause your Geo Cruiser to result in faulty operation and may cause harm to you or other people, therefore:

1. Only use fasteners and hardware provided by our company.
2. If fasteners become loose, tighten them as soon as you can.
3. Over or under-tightened fasteners may fail or cause damage to the Geo Cruiser parts.

### **SEATING SYSTEM**

1. The Geo Cruiser uses a soft cushion housed in a machine washable nylon mesh cover. The seat cushion is locked to the seat with Velcro. You do not have to remove the seat when folding the chair.
2. If you decide to add an extra cushion or backrest cushion, use one that does not alter the center of balance.

### **CHANGES & ADJUSTMENTS**

Never use non-Geo Cruiser parts or make changes to your Geo Cruiser unless authorized in writing by a representative from our company. (Doing so will void the warranty and may create a safety hazard).

1. If you modify or adjust the Geo Cruiser, it may increase the risk of a fall or tip-over.
2. Modifications unauthorized by our company constitute remanufacturing of the Geo Cruiser. This voids the warranty. The rider then assumes all future liability for the Geo Cruiser.

## II. SAFETY

### **Before each use of the Geo Cruiser:**

1. Make sure the Geo Cruiser is operating smoothly. Check for noise, vibration, or a change in ease of use. If you detect a problem, make sure to fix the problem and/or make the proper adjustments. Deferring repair or adjustment could increase the risk for injury. One of our customer care representatives can help you find and correct the problem.
2. Make sure the battery has a battery charge sufficient for your outing before operating your Geo Cruiser. Three green lights at the top of the battery light indicator a full charge. Yellow lights indicate battery charge level is getting low. Red lights indicate batteries are in immediate need of charging.

### **Electromagnetic Interference (EMI) from radio wave sources**

The power wheelchair may be affected by electromagnetic interference (EMI), which may cause damage or interruption to the operation of the chair. It is important for you to understand the instructions which can help you take protective measures against the risk of interference.

The Geo Cruiser has passed the 30 V/m EMI test and has a certain degree of immunity to most common electromagnetic energy sources. However, it is important for you to follow the safety guidelines as follows:

- a. Do not turn on or operate portable transceivers, receivers, radios or any wireless communication devices.
- b. Stay away from all radio wave emission sources.

If interference does occur and causes unintended movement to the chair in an uncontrolled manner, cut off the power immediately. No modification of any form to the power wheelchair is allowed, including adding or removing any parts.

### III. Folding and Unfolding

It is important to understand the control release system that allows you to fold the Geo Cruiser. The release mechanism is located at the rear of the chair right behind the seat as indicated below.



You will be using this release control system when following the folding instructions on page 19. You may also want to use the kickstand after the unit is folded so that your hands are free to make it easier to:

1. Align both front wheels to lock the folded Geo Cruiser in place for transport. Again, this is covered on page 18.
2. To press both backrest release buttons to fold the backrest down
3. To park the unit



### III. Unfolding the Geo Cruiser

1. This is the folded position with the joystick attached. You can unfold the unit with or without the Joystick attached.



2. Simultaneously **press the** two orange buttons located on each side of the backrest to release the backrest. While doing this, pull it upwards until it locks into place. You can adjust it to fit your comfort level later.



3. Hold the top of the backrest with one hand, while pushing the footrest forward with the other hand. This will allow you to start the unfolding process.



4. The weight of the front end will allow the unit to continue unfolding the Geo Cruiser is fully unfolded. If the unit does not automatically lock into place, pull the backrest back until you hear the unit lock into place.



### III. Unfolding the Geo Cruiser

5. Pull down both arrest forward.



6. Unfold the footrest.



7. The unit is now ready to add the joystick. Refer to page 21 to proceed.



8.

### III. Folding the Geo Cruiser

There are two ways to fold the unit. We will cover both methods.

1. Pull back the armrests as shown



2. Squeeze the two "Release Lock Levers"



3. While squeezing the "Release Lock Levers" push the backrest forward to start the folding process.



4. Continue to push the backrest forward in preparation of grabbing the top of the footrest as show in step 5.



### III. Folding the Geo Cruiser

5. When the front wheels are straight like the rear wheels, grab the footrest and pull it towards the seat, while pulling the unit forward to the upright position.



6. Continue to pull the footrest toward the backrest until the unit locks into place.



7. Extend the kickstand until it is locked into place.



8. Press inward the two orange release lock buttons located on each side of the backrest to release the top part of the backrest.



### III. Folding the Geo Cruiser

9. Squeeze inward the seat lock release levers as shown.



10. Continue to gently lay the unit forward as the backrest and collapse forward.

## IV. The Joystick Controller

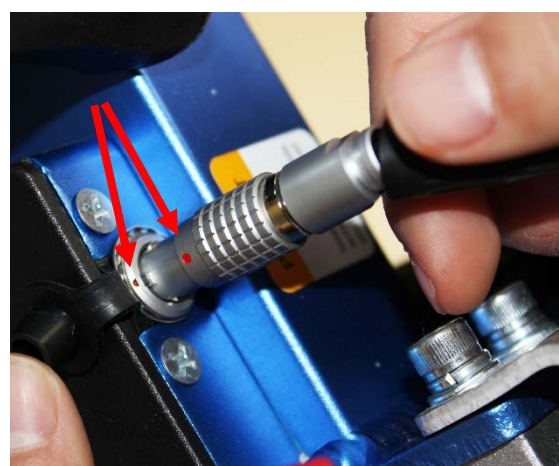
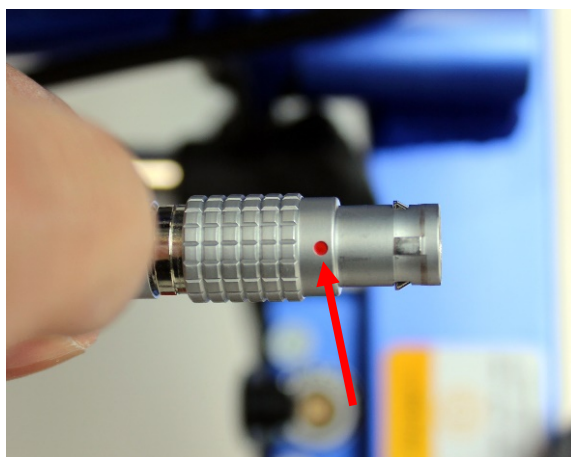
The joystick controller is used to navigate and operate the Geo Cruiser. Therefore, it is very important to understand the features and safety precautions required to safely use it.

To ensure your safety while operating the power wheelchair, the control panel must be securely mounted (Fig. A1). If any buttons on the control panel fail or are not responding, you must stop using the chair immediately and contact the provider for repair or replacement.

1. Take the joystick and attached it to the right or left armrest bar as shown below. You just need to slide the joystick upwards.
2. Lock the joystick into place by closing the metal clamp as shown. You can tighten the clamp as much as you like by adjusting the tightness by turning the clamp clockwise until you reach the desired tightness.



3. Before connecting the joystick cable to the Geo Cruiser, pick up the metal end and identify the red dot which is pin 1.
4. Connect the joystick cable to the unit as shown with the red dot (pin 1) orientation to pin one. Push it in so that is secure.



# IV. The Joystick Controller

## Joystick Cable Routing

1. On newer model's there is a plastic cable holder under the armrest. You can easily start by locking the joystick cable into place as shown



2. On newer model's there is a plastic cable holder under the armrest. You can easily start by locking the joystick cable into place as shown



3. There are plastic cable holders on the frame that allow for cable management from the armrest to the rear bottom frame.



4. The plastic cable holders allow the joystick cable to be easily attached and removed



## IV. The Joystick Controller



Number	Function	Action
1	Power-On Button	Pressing this button will turn the unit on
2	Power-Off Button	Pressing this button will turn the unit off
3	Speed (+) Button	Pressing this button repeatedly will increase speed to a maximum up to 5 miles
4	Speed (-) Button	Pressing this button continuously will reduce the speed
5	Speed Indicator	These lights display the speed from the lowest to the highest
6	Battery Light Indicator	These lights let you know the charge on the batteries
7	Horn	Pressing this button will generate a beep to let people know you are approaching
8	Joystick	Moving this will result in the unit moving forward, backwards or turning



## IV. The Joystick Controller

### Stationary Position (Inactive)

When the chair is inactive even for a moment, make sure no one accidentally touches the joystick as this could result in an accident. Turning the unit off will:

- Prevent the joystick controller from being activated by accidental touch which may cause the chair to move unintentionally.
- Prevent the chair from electromagnetic interference sources which may activate the chair's operation system and cause damage to the chair and bodily harm.

Do not allow anyone but you to touch the joystick controller, as this may cause the chair to move unintentionally and lead to potential bodily harm.

Always remember to turn at a safe speed to avoid potential tilting. You can use the speed control buttons to adjust the speed to a level you feel is safe for your riding experience. The maximum speed is between 4-5 miles per hour depending on your weight, an incline or the terrain you are riding on. We recommend that you adjust to speed to the lowest setting when first driving the Geo Cruiser. This will allow you to get comfortable with the unit.

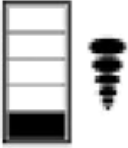




### Riding Tips

To slow down, slowly bring the joystick back toward the default position until you reach your desired speed. To stop, just bring the joystick back to the default position. You can also move the unit 180 or 360 degree by continuing to move the joystick hard left or hard right.

# IV. The Joystick Controller

## Understanding Joystick LED Flashing

If the LED lights on the Joystick speed indicator start to flash intermittently, the unit is signaling that there is a problem with one of the components or functions. Below is a table providing a list of potential issues based on which light(s) are flashing.

	The first light from the bottom (1) flashes: This represents the battery is low
	The second LED light flashes: The joystick is not delivering a signal to the controller under the seat
	The third LED light flashes: Batteries are being charged
	The fourth LED light flashes: A connection to the motor is not functioning
	The fifth LED light flashes: The electromagnetic braking is disengaged

## V. Battery

The Geo Cruiser comes with two (2) 24V 8 Ah lithium ion batteries that work in parallel. Both batteries are not required to be installed for operation. The batteries should be charged for twenty-four (24) hours before you operate the unit for the first time.

### Inserting the Battery for the first time

When you unpack your Geo Cruiser for the first time, you will notice that the batteries have been partially inserted into the unit, but are still separated by a cardboard spacer to avoid the unit getting powered on during transit. You will need to remove these spacers and push the batteries in to lock the batteries into place.



To insert the battery following the instructions below.

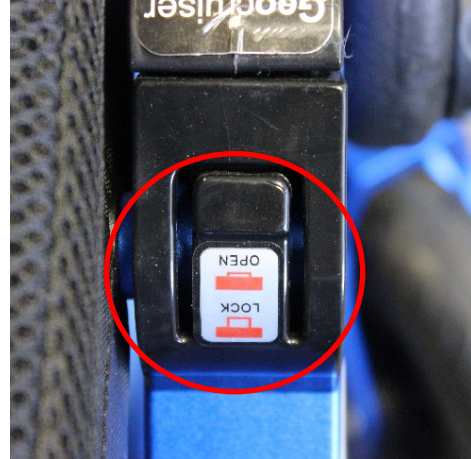
1. Insert the battery and continue to push down until you hear the battery lock into place.
2. The battery is now in the locked position. To verify, try pulling it out without pressing down the release button.



# V. Battery

## Battery Release Button

Each battery has a release button that enables you to remove the battery. Here is a photo of the location of the release button:



## Removing Battery

Make sure the Geo Cruiser is powered off before mounting or removing the battery. To remove the battery, press the battery release button as shown below.

1. Press the "Open" button and grab the front plastic battery handle and pull out the battery



2. Continue pulling out the battery



## V. Battery

Before charging your Geo Cruiser you should be aware of the following:

1. Do not leave children unsupervised near the Geo Cruiser while it is charging
2. Do not attempt to open the battery housing

### Charging the Battery

1. Plug the off-board charger 3 -pin male XLR connector into the 3-pin female XLR port located under the front part of the joystick controller as shown.



XLR Female Receptacle



When you plug the power supply XLR cable into the joystick the lights on the LED will come on and the third LED light on the speed indicator will stay lit. This is to indicate the unit is charging. Do not attempt to operate while the unit is charging.



2. Plug the off-board charger into a power outlet. When the red LED is on, it is charging.
3. When the LED on the charger changes from red to green, keep charging for an additional 30 minutes to allow the battery to be fully charged.
4. Unplug the off-board charger from the power outlet before unplugging from the charging port of the control panel.
5. We recommended charging the unit at an ambient temperature range between 5° C to -40° C.

## V. Battery

**NOTE**– Do not attempt to charge your battery if the Geo Cruiser battery is frozen. Do not use any third-party battery chargers unless certified by our company.

### **Additional Safety Precautions:**

- Do not use batteries with different amp-hour (Ah) capacities. Do not mix use of old and new batteries. Always replace both batteries at the same time.
- Keep tools and other metal objects away from battery terminals. If contacted, short-circuit or electric shock may occur and cause injury.
- Avoid exposure to any heat sources such as open flame or sparks. Do not transport the batteries along with flammable or combustible objects.
- Do not disassemble the battery; corrosive substance contained in the battery.
- Danger of explosion. When charging the batteries, place the chair and the battery charger in a well-ventilated area, away from flames and sparks.

### **Over Current Protection**

The Geo Cruiser is equipped with an over-current protector. If the current supplied to the motor is too high, the over-current protector will cut off the signal current supply. The red LED light on the joystick control panel will flash and the buzzer will sound. This safety feature will be activated and the chair's control will cut off the circuit to prevent overcurrent and overheating of the motor.

### **Battery Maintenance**

Do a periodic inspection of the battery casing to make sure there is no damage and/or corrosion to the battery connectors as follows:

- Check the battery pack and as well as the positive and negative metal terminals for any corrosion. If any, clean with battery with a steel brush or medium sand paper.
- When cleaning, Keep tools and other metal objects away from battery terminals. If contact with these objects is made, a short-circuit or electric shock may occur and cause bodily injury.

If for some unexpected reason the battery gets damaged, make sure you do not touch it without the proper gloves. If the battery needs to be disposed of, locate the nearest "Hazardous Materials" disposal facility, and call them for instructions. In many cases the local city or municipality will have a program for "Hazardous Materials" disposal.

# V. Battery

## **Storing your Geo Cruiser Battery**

- Make sure your battery is fully charged before storing the unit.
- Remove the battery from the unit
- Store the battery in a dry and warm place.
- Avoid temperature variation
- If you do not operate the Geo Cruiser for two months, we recommend that you charge the battery for 6-8 hours before use.

## **Common Battery FAQ's**

### **How often should I the batteries charge?**

The batteries do not need to be charged everyday unless the battery indicator shows a low charge, or you need to charge the batteries to support an outing. The goal is to properly manage the charging process to extend the life of the batteries. This is because the lithium-ion batteries have up to 500 charge cycles, so you want to make sure you do not charge the batteries unless required. Please note that your safety will always be a priority so feel free to charge the batteries whenever you feel you will need both batteries at full power for long trips.

### **Recommendations:**

- Get familiar with your driving patterns and charging needs
- Make sure to fully charge if you will be driving long distances
- Avoid intermittent driving when possible

### **What conditions will affect the mileage and performance of the Geo Cruiser?**

Some driving conditions such as hills, uneven and soft surfaces, even temperature and user weight will affect the distance or running time per battery charge. Tips to maintain a longer charge:

- Always fully charge your battery prior to your trip.
- Try to keep a constant speed when possible.
- Avoid intermittent driving when possible

## **V. Battery**

### **Can I charge the battery independent of the Geo Cruiser?**

Yes, if you have purchased the off-board portable charger.

### **Do I have to buy the same type of battery if I need a replacement?**

Yes. You cannot use batteries from other manufacturers as the batteries are design specifically for the Geo Cruiser. The EX and LX use the same batteries which are rated at 24 volts and 16 Ah (Tow batteries at 8 Ah), and the DX uses 24 volts 10 Ah batteries.

### **Can I take the batteries on a commercial airline?**

Yes, please refer to the travel information on page 38.



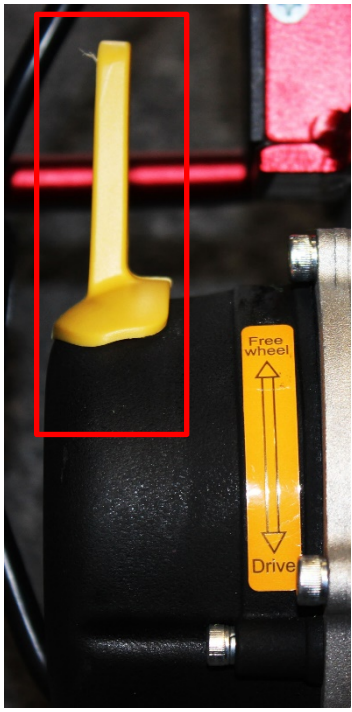
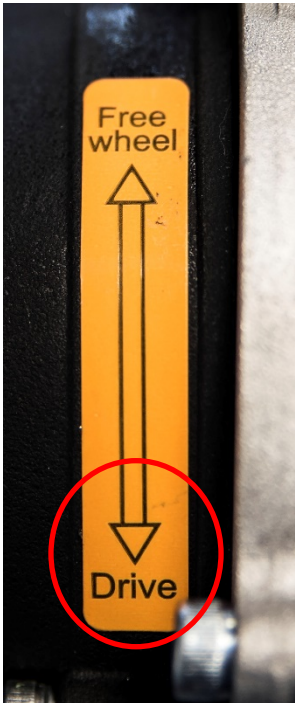

# VI. Riding the Geo Cruiser

## RIDING THE GEO CRUISER FOR THE FIRST TIME

Before riding your Geo Cruiser for the first time, make sure to check the following:

1. Make sure the joystick controller is properly connected (pin 1 to pin 1 or red dot to red dot) and locked into place.
2. Make sure the Geo Cruiser is powered “OFF” before boarding the unit. If it’s “ON” you may accidentally touch the throttle when boarding leading to the Geo Cruising to move while boarding which could lead to an accident.
3. When you are onboard make sure your feet are safely on the footrest.
4. Make sure the release brakes are set to “Drive”, or for some models “Lock” before powering on the unit and attempting to drive the unit. If the release brakes are in the “Freewheel” or on some models “Unlock” position, the unit will beep while and the joystick speed control LED’s will flash. The “Drive” position is when the release brake is pulled back in reverse.

**Note that the brake release levers on the DX and LX are **“RED”**, while the Elite EX levers are **“Yellow”**.**

<p>This is the release brake lever.</p> 	<p>Pull the Brake Release lever in reverse to the “Drive” or “Lock” position before attempting to drive the unit.</p> 	<p>Push the Release Brake Lever to the “FREEWHEEL” position and power the unit off to push the unit like a manual wheelchair.</p> 
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## VI. Riding the Geo Cruiser

### Get familiar with the controls and joystick controller:

1. Drive slowly until you get comfortable with the speed control. We recommend that you start with the speed setting at the lowest speed. Then raise it as you get comfortable.
2. Practice going forward and reverse.
3. Practice turning and making a complete 180° turn.
4. Get used to stopping. The brakes are regenerative brakes, meaning that the brakes are activated when you position the joystick to the default position. This means you either take your hand off the joystick, or stop the forward or reverse motion.
5. Proactive cornering. You want to make sure you take corners at a safe speed to avoid the possibility of accidentally tipping.

### USING THE ANTI-TIP WHEELS

The Geo Cruiser has extendable anti-tip wheels. You should extend them if you anticipate you will be going up speed bumps, ramps and any terrain that will cause your more weight to be unevenly distributed towards the rear of the unit. To extend them following the directions below:

1. Pull the anti-tip release knob outwards while pulling out the anti-tip wheel until it is fully extended and locked.



2. Make sure the anti-tip wheel arm is locked into place. To pace the anti-tip wheels back in the default un-extended position, pull the release knob while pushing the wheels back in until locked.



## VI. Riding the Geo Cruiser

### STREET USE

In most states, power chairs are not legal for use on public roads. Be alert to the danger of motor vehicles on roads or in parking lots.

1. At night, or when it is hard to see, use reflective tape on your Geo Cruiser or purchase the optional Geo Cruiser LED front and rear lights. You can also wear clothing that has reflective material.
2. It may be hard for drivers to see you. Make eye contact with drivers before you proceed. When in doubt, yield until you are sure it is safe.

### TERRAIN

1. This Geo Cruiser is primarily designed for use on firm, even surfaces such as concrete, asphalt and indoor flooring. You can ride it on gravel, grass, and dirt provided the surface is safe and even.
2. Do not operate the Geo Cruiser in sand, or loose soil. Doing so may damage wheels, bearings, axles or motors, or loosen fasteners.
3. The Geo Cruiser can ride over speed bumps. We recommend you slow down and drive at a safe speed when driving over speed bumps.

### DRIVING IN REVERSE

Use extra care when you drive the Geo Cruiser in reverse. You may lose control or fall if one of the rear wheels hits an object.

1. Operate the Geo Cruiser slowly and at an even speed.
2. Stop often and check to make sure your path is clear of obstacles.

### Making a 180-degree turn (U-turn)

To turn the unit around while the unit is in a stationary position you just need to move the joystick to the left or right depending the direction you choose to make the turn in and hold it steady in that position until you make a full 180 degrees turn.

### GETTING OFF YOUR GEO CRUISER

1. Make sure to bring the Geo Cruiser to a complete stop.
2. Power down the unit. If the release brakes are still in "Drive" mode, the unit will be in the "Locked" position and safe to get off the unit. Make sure the release brakes have not been placed in "Freewheel" mode to avoid the unit moving when you are getting off the Geo Cruiser.
3. Raise the armrest so that you can conveniently un-board the unit.

## 4. VI. Riding the Geo Cruiser

### GETTING OFF YOUR GEO CRUISER (Continued)

5. Carefully and safely get out of the seat.
6. Fold up the footrest always while getting on and off the chair
7. Do not stand on the footrest to move your body while getting on/off the chair.
8. Make sure your feet are not tangled or jammed in the gap between the footrest while getting on/off the chair.

### USING THE LEG GUARDS

The leg-guards can be used if you need to keep your legs within the confines of the chair.

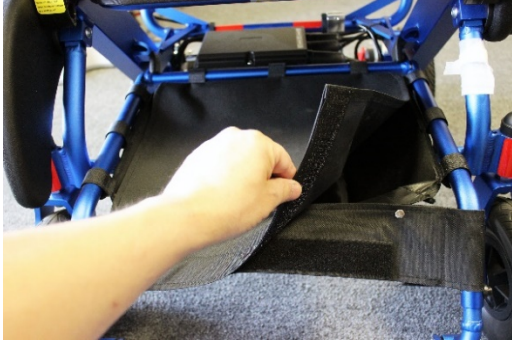
9. Operate the Geo Cruiser slowly and at an even speed.
10. Stop often and check to make sure your path is clear of obstacles.

## VI. Riding the Geo Cruiser

### The Under- Seat Basket

The under-seat-basket enables you to store personal items, or the joystick and power supply when traveling or transporting the unit.

1. To open the top cover peel back the top as shown. It is secured with a Velcro locking system.



2. Place items in the storage area



3. Lock the top cover back in place as shown



### **ADJUSTING THE FOOTREST**

You can adjust the footrest by loosening the two black Allen screws



## VII. Making Adjustment's to the Geo Cruiser

### Adjusting the Backrest for Comfort

The upper half of the backrest can be adjusted by four (4) positions. To adjust the backrest, do the following:

1. Press the two orange release buttons simultaneously while pulling the backrest back with your thumbs.



## VIII. Traveling with the Geo Cruiser

One of the great benefits of the Geo Cruiser is its foldable compact and portable design. This enables you to transport it in a number of ways.

### Airline Travel

As of April 15, 2017, the batteries on the Geo Cruiser meet the U.S. Department of Transportation regulations for safe air travel. These regulations state that the battery must not exceed 300-watt hours. Although most airlines recognize these regulations, and allow mobility products to be taken onboard, each airline reserves the right to set forth their own policies.

To avoid any unexpected issues at the airport, we highly recommend that you contact the airline that you will be traveling with in advance, to check their policy toward mobility devices with lithium batteries. We also ask that you download the following documents from our website before traveling, as the airline may request them before accepting the Geo Cruiser.

- The Geo Cruiser Battery Material Handling Data Sheet (MSDS)
- The Geo Cruiser UN 38.3 Battery Test Report

These documents can also be mailed to you upon request.

It is also possible to ride the Geo Cruiser all the way to the boarding terminal, once there, the unit can be folded and rolled away like luggage by the baggage attendant.

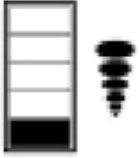
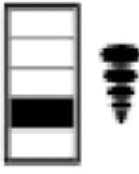



### Transporting the Geo Cruiser like Luggage

The Geo Cruiser can be pulled like luggage. You will first need to orient the release brake levers to the “Freewheel” position. This will enable the wheels to move freely. You can also purchase the optional travel case shown below.



## VIII. Traveling with the Geo Cruiser

The “Speed” indicator on the joystick control panel also functions as a diagnostic indicator. When the light is solid “Green”, it is an indication that the unit is functioning properly and there are no issues. However, if one of the six lights are flashing (on and off), it is an indication that there is a problem with the Geo Cruiser. We recommend you turn the unit off, then power back on in 1 minute. If any of the lights continue to flash, we recommend that you review the Geo Cruiser Diagnostic Code table below to get a diagnosis of the problem.

	<p>The first light from the bottom (1) flashes: This represents the battery is low and needs to be charged.</p>
	<p>The second LED light flashes: The joystick is not delivering a signal to the mail controller under the seat</p>
	<p>The third LED light flashes: This happens when you plug in the charger and indicates the batteries are being charged. <b>DO NOT attempt to operate in this mode.</b></p>
	<p>The fourth LED light flashes: A connection to the motor is not functioning</p>
	<p>The fifth LED light flashes: The electromagnetic braking is disengaged</p>



## IX. Care and Maintenance

Your Geo Cruiser is designed to give years of service, provided you take the appropriate care and maintenance required to keep your Geo Cruiser operating at optimum level.

The following items should be periodically checked and maintained:

### Battery

- Make sure that you keep the battery fully charged.
- Make sure the electrode connections have no corrosion.
- Make sure to store the battery in a dry place
- Do not attempt to charge your battery if it is frozen from extreme weather conditions.

### Seat and Backrest Covers

- The seat cover is made of durable synthetic nylon mesh material. They are machine washable, and can be replaced. We recommend drying them on a low temperature setting.
- **Torn Seat Cover:** If for some reason your seat gets torn by accident you can order a replacement seat cover directly from us.

### Joystick Controller

- The Joystick Controller is made of durable ABS plastic, and uses high quality membrane buttons for operation. If damaged, it can be easily replaced.

### Frame

- The frame is made of aluminum alloy. It is treated with an anodized finish to reduce corrosion and offer an aesthetically richer finish. Do not use oil or other chemical liquids to clean or wipe these surfaces.
- To wash and clean the Geo Cruiser, take a non-abrasive lint free cloth like a micro fiber cloth and lightly dampen it with water, then proceed to softly clean the surfaces. Do not wash the Geo Cruiser with a water hose as this may create an electrical short and cause damage.

### Wire Harness

- You should regularly check all wiring connections and wiring insulation, including the charger power cord, for wear or damage.

# IX. Care and Maintenance

## Bearings/Motor/Transmission Parts

- These components have been lubricated and sealed at the factory. Therefore, there is no need to lubricate these parts.
- Make sure that electronic components such as the control panel, battery charger, and other electric controlled components avoid moisture. If these components come into contact with moisture, dry before use.

## Maintenance Check List

<b>Frame</b>	<ul style="list-style-type: none"> <li>• Is there any looseness on any connecting points?</li> <li>• Can it turn left and right smoothly?</li> </ul>
<b>Joystick Controller</b>	<ul style="list-style-type: none"> <li>• Does the Power chair move when the lever is pressed up or down?</li> <li>• Does the Power chair stop when the lever is released to the default position?</li> </ul>
<b>Motors</b>	<ul style="list-style-type: none"> <li>• Is there an abnormal noise from the motor?</li> <li>• Do the electromagnetic brakes work properly?</li> </ul>
<b>Battery Indicator</b>	<ul style="list-style-type: none"> <li>• Does the battery indicator light-up and work properly?</li> </ul>
<b>Tires</b>	<ul style="list-style-type: none"> <li>• Is there any damage to the tires?</li> <li>• Are the tires worn?</li> </ul>
<b>Free Wheel Levers</b>	<ul style="list-style-type: none"> <li>• Is there any damage to the ABS plastics?</li> </ul>
<b>Battery</b>	<ul style="list-style-type: none"> <li>• Is the battery charging?</li> <li>• Is there any corrosion?</li> </ul>
<b>Cables</b>	<ul style="list-style-type: none"> <li>• Are the cables properly connected?</li> <li>• Is there any damage to the cables?</li> </ul>
<b>Ant-Tip Wheels</b>	<ul style="list-style-type: none"> <li>• Are the wheels worn down?</li> </ul>
<b>Armrests</b>	<ul style="list-style-type: none"> <li>• Are the armrests tightened</li> </ul>

## X. Limited Warranty

The Geo Cruiser comes with a limited warranty and the following coverage:

- **Frame** - Three (3) years
- **Mechanical Parts:** One-year (1) year parts and labor
- **Battery:** One-year (1) year parts and labor

Please make sure to contact us as soon as you discover that there is problem with your Geo Cruiser.

### Warranty Exclusions

- a) Failure to follow the proper use, operation and maintenance
- b) The use of non-authorized parts
- c) Mechanical damage caused by an accident or misuse.
- d) Consumables such as the inner core and outer tires as well as bearings are not covered
- e) Any unauthorized changes to vehicle design.
- f) Any damage caused by a natural disaster such as a flood, earthquake or fire will not be covered.
- g) This limited warranty does not cover normal maintenance service or periodic adjustments required for normal use.
- h) This warranty applies only to the original purchaser of the Geo Cruiser and is not transferable.

# XI. PRODUCT REGISTRATION

We strongly recommend that you register your Geo Cruiser as soon as possible. This is the only way that you will be able to have the unit warranted. You have two ways to do this:

1. Register your Geo Cruiser online. You can do this by going to the support section at [www.pathwaymobility.com](http://www.pathwaymobility.com); there will be a location for online product registration.
2. Fill out the warranty and registration card below and mail it in to the address provided.

## Owner Information

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

## Product Information

Serial Number: \_\_\_\_\_

(Located under the floorboard)

Purchased From: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Date Purchased: \_\_\_\_\_

## Mail Completed Form to:

Pathway Mobility  
1590 Oakland Road, Unit B109  
San Jose, CA, 95131

## XII. Technical Support

If for any reason, you have a technical issue or need to talk to one of our customer care representatives, call our toll-free number at **800-530-9594**

### Phone Support:

Call us toll free at **800-530-9594 X510** between the hours of **9:00 a.m. to 6:00 p.m.** Pacific Standard Time.

### Online Support

You can also submit a support ticket by visiting us at [www.pathwaymobility.com](http://www.pathwaymobility.com). Just go to our support area. You will find an area to submit an online support ticket. You will first be required to setup a support user account. It is for your benefit as all your technical support history and resolutions will be stored for you to retrieve and view.

## Out of Service Warranty Repair

If your Geo Cruiser is no longer covered under the warranty coverage period, you have the following options:

1. Purchase an extended warranty coverage plan. You can contact us directly and speak to a customer care representative
2. You can call us to discuss the service issue and one of our customer care representatives will provide an estimated repair cost. There will be a seventy-five (\$75.00) fee to perform a full component inspection and diagnostic test. If we determine that service is needed, and you decide to proceed with the repair, the seventy-five (\$75.00) fee will go toward the repair costs.



1590 Oakland Road, Unit B109, San Jose CA 95131 **Phone:** 800-530-9594