



Owner's Manual

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 owner's manual, and that you follow all of the instructions and recommendations provided before you proceed to operate your Geo Cruiser Power Chair. 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 contact at 877-653-3659.

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, and/or other Geo Cruiser products purchased.

From time to time, our product development and engineering department will make design recommendations for this product. So we reserve the right to make such changes when deemed necessary to improve on 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.thegeocruiser.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. At www.thegeocruiser.com. We also recommend that you take the time to review the warranty coverage on page 35.

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 (1)
- Battery Charger (1)
- (1) Wrench, (2) Allen Wrench's

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

Product Specifications

Product Weight (With Battery):	46 Lbs.
Maximum Weight Capacity	265 lbs.
Unfolded Size (L x W x H):	34" X 24" X 36"
Folded Size (L x W x H):	24" X 12.5" X 30"
Frame Material	Airline Titanium Alloy
Travel Distance	Up to 15 Miles/30 Miles X 2 batteries
Maximum Speed (Adjustable)	4 MPH
Seat Size (L x W):	16" X 16"
Seat Height (From Ground):	18.75"
Arm Rest Height (From Ground):	28"
Joystick Height (From Ground):	28.5"
Turn Radius:	31.5"
Maximum Speed:	4 MPH
Ground Clearance (Foot Rest to Ground):	3.5"
Wheel Base (Front center to Rear center)	24"
Front Wheels (Diameter x Width):	7" X 1.3"
Rear Wheels:	8" X 2"
Rear Wheel Material:	Solid, Polyurethane
Rear Wheel Material:	Polyurethane/Rubber
Incline/Slope Capability	12 Degrees
Motor:	(2) 180W Brushless Motors
Brakes:	Electromagnetic
Battery:	(1) Lithium Ion/24V 10aH
Battery Weight	4 lbs.
Optional Battery Back-up	Yes

The Geo Cruiser™ Diagram



Free Wheel
Lever

Brushless
Motor



Anti-Tip Wheels

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

As of 2015, the U.S. Department of Transportation has not approved any tie down system for transporting a Power Chair in a motor vehicle.

1. Never sit in the Geo Cruiser while in a moving vehicle. In an accident or sudden stop you may be thrown from the Power Chair.
2. Never transport the Geo Cruiser in the front seat of a vehicle. It may shift and interfere with the driver.
3. Always secure the Geo Cruiser so that it cannot roll or shift.

II. SAFETY

IMPORTANT NOTICE– READ BEFORE OPERATING YOUR GEO CRUISER

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.
7. Do not allow additional riders on the Geo Cruiser, armrests or chassis. Doing so may result in personal injury to you or others, as well as damage to the Geo Cruiser.

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).

Important information

- To manually transport the Geo Cruiser, first fold the Geo Cruiser. You can then transport the Geo Cruiser like luggage using the two anti-tip wheels in the back of the chassis.

II. SAFETY

WEIGHT LIMIT

1. Never exceed a total weight of 265lbs for rider plus items carried.
2. You should not attempt to perform weight training on your Geo Cruiser if the total weight (rider plus additional weights) exceeds 265lbs.
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.
4. Exceeding the weight limit will void the warranty.

CONTROLLER SETTINGS

Be aware that you will need to get familiar with the controller settings and touch sensitivity of the Joystick and the speed adjustment feature which allows you to control the actual speed that you are traveling. You will also need to get use to the Joysticks forward and reverse function, as well as braking.

WHEN SEATED IN A PARKED GEO CRUISER

1. 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.
2. 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:

1. Never reach or lean if you must shift your weight sideways or rise up off the seat.
2. Never reach or lean if you must move forward in your seat to do so.
3. Never reach with both hands (you may not be able to catch yourself to prevent a fall if you lose your balance).
4. Never try to pick up an object from the floor by reaching down between your knees.

II. SAFETY

IF YOU MUST REACH OR LEAN, DO SO AT YOUR OWN RISK

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.

NOTE: To do this, move your Geo Cruiser past the object you want to reach, and then back up alongside it. Backing up will rotate the casters forward

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 shapely 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.

OBSTACLES

Obstacles you may have to overcome in daily use include door thresholds, lifts, ramps and hazards such as potholes and broken pavement. These can damage your Power Chair and may cause a fall, tip-over or loss of control.

1. Be aware that thresholds are very dangerous. (Even a small change in height may stop a caster wheel and cause your Geo Cruiser to tip). You may need to:
 - a. Remove or cover threshold strips between rooms
 - b. Install a ramp at the entry of exit doors
2. Keep your eyes moving when you ride; scan the area well ahead of the Geo Cruiser.
3. Make sure the floor areas where you use the Geo Cruiser are level and free of obstacles.
4. 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.

II. SAFETY

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 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).

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.

NOTE– The proper design will vary, depending on such things as: the length and height of the ramp; the need for an intermediate platform; landing size; doors and the direction of swing; and whether the ramp includes a turn or angle.

II. SAFETY

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. If you must climb or descend a curb or step alone do so at your own risk and use extreme care. Go as straight up or straight down as you can. Never turn or climb or descend at an angle as a fall or tip-over is likely. Proceed slowly, at a steady speed.
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

The point where the Geo Cruiser will tip forward, back or to the side depends on its center of balance and stability. The Center Of Balance Is Affected By:

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

To Reduce The Risk Of A Fall Or Tip-Over:

1. Consult your supplier for information on modifications authorized by The Geo Cruiser before you modify or adjust your Geo Cruiser. Use extreme care until you know the balance points of your Geo Cruiser and how to avoid a fall or tip-over.

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.

II. SAFETY

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

1. Never use your Geo Cruiser on a slope unless you are sure you can do so without losing traction.
2. Go as straight up and as straight down as you can.
 - a. Do not “cut the corner” on a slope or ramp.
 - b. Do not turn or change direction on a slope.
3. 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.
4. Lean or press your body uphill. This will help adjust for a change in the center of balance caused by the slope.
5. Always drive your Geo Cruiser moving at a slow steady speed. Keep control over the Geo Cruiser at all times. On a descent, do not let the Geo Cruiser accelerate beyond its normal speed, the Geo Cruiser picks up speed, center the joystick to slow down or stop.

ENVIRONMENTAL CONDITIONS

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

1. Contact with water or excessive moisture can cause an electrical malfunction. The frame, motors and other Geo Cruiser parts are not waterproof and may rust or corrode from the inside. To avoid failure to your Geo Cruiser:
 - a. Minimize exposure of your Geo Cruiser to a rain storm or very wet conditions.
 - b. Never take your Geo Cruiser into a shower, tub, pool or sauna.
 - c. Do not use your Geo Cruiser in fresh or salt water (such as at the edge of a stream, lake, or ocean).
 - d. Make sure shroud cover and deck lid are secure.
 - e. 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.
 - f. Make sure the battery area is kept dry
2. Proceed slowly and use extra care if you must operate your Power Chair on a wet or slick surface.
 - a. Do so only if you are sure it is safe
 - b. Stop if one or both main wheels lose traction. If this occurs, you may lose control of your Geo Cruiser or fall

II. SAFETY

- c. 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
- d. When not in use, keep your Geo Cruiser in a clean, dry place

Controller

The controller which receives the signal from the Joystick control panel and transfers it to the motor and brakes is located in the rear section under the seat of the Geo Cruiser and must not be exposed to moisture at any time as it may cause permanent damage. If exposed to heavy moisture, your Geo Cruiser must not be used until it has been thoroughly dried out.

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. .
2. You must charge the battery for twenty four (24) hours before attempting to operate your Geo Cruiser for the first time. Failure to do so will result in damage to the battery.
3. Read all battery instructions before attempting to change or charge batteries.
4. Always remove batteries using straps or handle provided. Pinched fingers may occur if the batteries are removed by grasping the battery casings.

II. SAFETY

Durable Comfort Rest Synthetic Nylon Mesh

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 need a special seat system such as can be provided by the seat frame, or a device to control your posture. Consult your doctor, nurse or therapist to find out if you need such a device for your well-being.

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 provided 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. Use of a seating system not approved by our company may alter the center of balance of the Geo Cruiser. This may cause a fall or tip-over.
2. Never change the seating system of the Geo Cruiser unless you consult your supplier first.

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 is fully charged before operating your Geo Cruiser for the first time. A green light on charge indicator will light up (or charge indicator will indicate a full charge) when charge is full. Yellow lights indicate battery charge level is getting low. Red lights indicate batteries are in immediate need of charging.

EMI (Electromagnetic Interference)

This portion of the content will provide the user with basic information about the problems with EMI, known sources of EMI, protective measures either to lessen the possibility of exposure or to minimize the degree of exposure; and this portion also shows some conditions that unexpected or erratic movements may occur.



IT IS VERY IMPORTANT THAT YOU READ THIS INFORMATION REGARDING THE POSSIBLE EFFECTS OF ELECTROMAGNETIC INTERFERENCE ON YOUR ELECTRICAL SCOOTER.

Electromagnetic interference (EMI) from radio wave sources

Powered vehicle may be susceptible to electromagnetic interference (EMI), which is interfering electromagnetic energy (EM) emitted from sources such as radio stations, TV stations, amateur radio (HAM) transmitters, two-way radios, and cellular phones. The interference (from radio wave sources) can cause the powered vehicle to release its brakes, move by itself, or move in unintended directions.

It can also permanently damage the powered vehicle's control system. The intensity of the interfering EM energy can be measured in volts per meter (V/m). Each powered vehicle can resist EMI up to certain intensity. This is called its "immunity level". The higher the immunity level is, the greater the protection is. At this time, current technology is capable of achieving at least a 20 V/m immunity level, which would provide useful protection from the more common sources of radiated EMI. This powered vehicle model as shipped, with no further modification, has an immunity level of 20 V/m without any accessories.

II. SAFETY

There are a number of sources of relatively intense electromagnetic fields in the everyday environment. Some of these sources are obvious and easy to avoid. Others are not apparent and exposure is unavoidable. However, we believe that by following the warning listed below, your risk to EMI will be minimized. The sources of radiated EMI can be broadly classified into three types:

1. Hand-held portable transceivers (transmitter-receivers) with the antenna mounted directly on the transmitting unit. Examples include: citizens band (CB) radios, “walkie-talkie”, security, fire, and police transceivers, cellular telephones and other personal communication devices.

NOTE: Some cellular telephones and similar transmit signal while they are ON, even when not being used.

2. Medium-range mobile transceivers, such as those used in police cars, fire trucks, ambulances and taxis. These usually have the antenna mounted on the outside of the vehicle.

3. Long-range transmitters and transceivers, such as commercial broadcast transmitter (radio and TV broadcast antenna towers) and amateur (HAM) radios.

NOTE: Other types of hand-held devices, such as cordless phones, laptop computers, AM/FM radios, TV sets, CD player, and cassette players, and small appliances, such as electric shavers and hair dryers, so far as we know, are not likely to cause EMI problems to your powered vehicle.

Powered Vehicle Electromagnetic Interference (EMI)

Because EM energy rapidly becomes more intense as one move closer to the transmitting antenna (source), the EM fields from hand-held radio wave sources (transceivers) are of special concern. It is possible to unintentionally bring high levels of EM energy very closer to the powered vehicle's control system while using these devices. This can affect powered vehicle movement and braking. Therefore, the warnings listed below are recommended to prevent possible interference with the control system of the powered vehicle.

WARNINGS!

Radio wave sources may affect powered wheelchair control Electromagnetic interference (EMI) from sources such as radio and TV stations, amateur radio (HAM) transmitters, two-way radios, and cellular phones can affect powered vehicles and powered wheelchair. Following the warnings listed below should reduce the chance of unintended brake release or powered vehicle movement which could result to serious injuries.

II. SAFETY

1. Do not operate hand-held transceivers-receivers, such as citizens band (CB) radios, or turn ON personal communication devices, such as cellular phones, while the powered vehicle is turned ON;
2. be aware of nearby transmitters, such as radio or TV stations, and try to avoid coming close to them;
3. If unintended movement or brake release occurs, turn the powered vehicle OFF as soon as it is safe.
4. be aware that adding accessories or components, or modifying the powered vehicle, may make it more susceptible to EMI (Note: There is no easy way to evaluate their effect on the overall immunity of the powered vehicle).
5. Report all incidents of unintended movement or brake release to the powered vehicle manufacturer, and note whether there is a source of EMI nearby.

III. Folding/Unfolding the Geo Cruiser

In this section you are going to learn how to unfold and fold the Geo Cruiser. Although there are a few ways to do this, we are going to demonstrate one particular way. Before we move forward, we want to first show you the “Release” cable that you will use to unlock the Geo Cruiser, collapse the seat, and unfold **When Unfolding the Geo Cruiser**

This is the **“Lock/Unlock”** cable that is located directly under the rear seat. It will be used to unlock or and lock the unit into place.

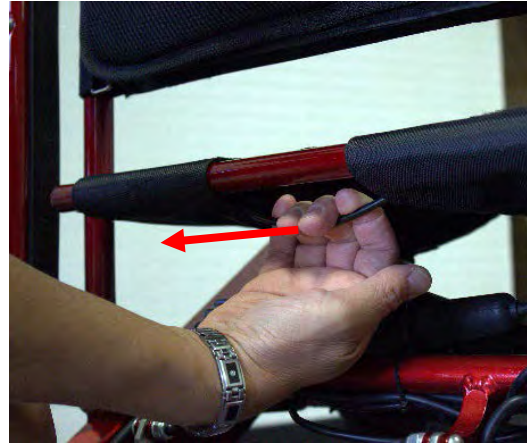


III. Unfolding the Geo Cruiser

1. Pull the footrest forward while pulling the back of the chair outward. Continue until the chair fully folds out.



2. Pull the "Lock/Unlock" cable under seat to lock the unit into place.



3. Pull the rear seat backrest up until it is in the vertical lock position.



4. Position the seat cushion into place with the zipper oriented in the rear, and the Velcro tape on each side locked into place so the seat secure.



5. Install the backrest as shown. Lock into place with the velcro on both sides.



6. The backrest should look like this once when installed properly.



III. Folding the Geo Cruiser

1. Remove the seat cover from the unit and unlock the unit by pulling the release "lock/unlock" cable outward under the seat until the unit is released from the lock position.



2. As the unit collapse, pull the footrest upward.



3. Continue to pull the footrest until the Geo Cruiser is fully vertical.



4. Pull down the backrest "Lock Release" lever as shown to unlock the backrest.



5. Pull down the top part of the backrest as shown below.



6. The Geo Cruiser is now ready to be rolled away.



IV. Installing the Joystick Controller

1. The Joystick can be installed on the left or right side. Start by inserting the Joystick Controller as shown.



2. Once the Joystick is inserted, proceed by tightening the locking knob clockwise until it is locked tightly.



3. Make sure you connect the cables with the pins properly oriented to **avoid bending and damaging the pins**.



4. Connect the cables and lock them together by turning the locking knob clockwise until the cables are locked together.



5. The cable should be connected as shown below.



VI. The Joystick Controller

The Joystick Controller is your control center for driving the Geo Cruiser. Therefore, it is very important to understand the features and safety precautions required to safely operate the Geo Cruiser. After reviewing the features, we recommend that you take some time to operate the Geo Cruiser in a safe environment so that you can get comfortable operating the unit in public places where you will be interacting with other people and objects.



Be careful to turn at a safe speed to avoid potential tilting of the Geo Cruiser. You can use the speed control buttons to adjust the speed to a speed that you feel comfortable with. The maximum speed is between 3.75-4 miles per hour.

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.

V. Battery Setup and Maintenance

The Geo Cruiser comes with one (1) 24V 10 Ah lithium Ion Battery. It comes pre-installed and cable connector ready. For safety reasons, the lithium battery does not shipped with the battery cable connected. It does also ship with a “empty battery cartridge” that is simple used as a placeholder, and is designed to be replaced by a second option battery, which acts as a battery back-up system designed to allow you to go twice the distance.

Connecting the Battery Cable

1. The first step is to connect the battery cable to the battery. Below is the battery connection point located on the side of the rear wheel.



2. Proceed to connect the cable as shown below. Make sure the red plug (+) is plugged into the red connector and the black into the black.



3. Make sure the battery connector is tightly secured.



4. The battery should be fully charged. If it is not, please charge until the light on the Geo Cruiser power supply turns green.

V. Battery Setup and Maintenance

Important Notes:

1. Before operating the Geo Cruiser for the first time, the battery must be charged for a full 8 hours (8) hour cycle.
2. In addition, you need to ride the Geo Cruiser until it loses complete charge after your initial 8 hour charge cycle. Otherwise the batteries overall life-cycle could be reduced.

Adding a Second Battery and/or Replacing the Battery



V. Battery Setup and Maintenance

Your Geo Cruiser is designed to use one (1) maintenance free 24V/10AH Lithium battery. The Geo Cruiser comes with an easy use 24V/10mA charger. As stated earlier, the battery must be fully charged before first time use.

- Not performing a full charge for 8 hours before attempting to operate your Geo Cruiser for the first time can cause damage to the battery.

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

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

Charging your Geo Cruiser

1. Power down your Geo Cruiser
2. Position the Geo Cruiser close to an electrical outlet.
3. Plug the male XLR socket into the female XLR socket located in lower part of the Joystick Controller.
4. Plug the charger into a wall socket. Red means the power is on and the unit is charging. Green means the unit is fully charged.
5. When the battery is fully charged, remove the XLR cable from the rear of the chassis. Then take out the DC charging connector and AC input power socket.
6. If the red light is off when the power is on, please check whether the charge socket works normally or not, whether the switch of battery charger is in the "1" position or not. If not, that means check fuse.
7. The average time taken to re-charge workable batteries will vary from 6 to 8 hours.

Guide to Safe and Lasting Batteries

When the battery voltage is low, the battery charger outputs a larger current to charge. When battery voltage is close to full, the battery charger outputs a small current. When battery is full, the battery charger would output very little current which is almost zero. Therefore, the battery would continually charge after connecting the charger, but does not overcharge. It's better to charge for no more than 6 hours.

V. Battery Setup and Maintenance

Charging the Battery

The Geo Cruiser comes with a universal power supply that works with both 110 and 220 volts. Before you attempt to charge the battery, make sure the Geo Cruiser is powered "OFF". The battery is fully charged when the charging light turns "GREEN".

Important Notes:

1. Do not use any other power supply or inverter to charge the Geo Cruiser, this will cause damage and void the warranty.
2. When traveling abroad, you will have to purchase a 220V adaptor to convert the signal for safe charging.

Over Current Protection

The Geo Cruiser is equipped with an "Over Current" protection feature. If for some reason the battery reaches encounters an over current problem, the over current protection feature will kick in. This will shut off the current thus shutting the motor down to ensure that the motor and battery do not experience any damage.

Battery Maintenance

If you do not operate the Geo Cruiser for two months, we recommend that you charge the batter for 6-8 hours before use.

How often should the batteries charge?

- If you use the Geo Cruiser daily, check the battery light indicator to see how much charge you have left. The life-cycle of a lithium battery is measured in "Charge Cycles" Lithium batteries last longer when they are not charged every day. Remember that the Geo Cruiser will go up to 12.5 miles with one battery, so keep an eye on the charge. .
- Remember that you can also add a second optional battery. If you do this, all you have to do is switch the battery cable to the new one in the rear of the unit.

How can I get the maximum operating time per charge?

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 maintain a constant speed when possible.
- Avoid intermittent driving when possible

V. Battery Setup and Maintenance

Storing your Geo Cruiser Battery

- Make sure your battery is fully charged before storing the unit.
- Remove the key, then remove the battery
- Store the battery in a dry and warm place.
- Avoid temperature variation

Note:

1. Do not attempt to charge your battery if the Geo Cruiser and battery have been frozen
2. Do not use any third-party battery chargers unless certified by our company.

Battery Maintenance

Do a periodic check of the battery casing for damage and corrosion to the Red (Positive) and Black (Negative) battery connectors. 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.

VI. Riding the Geo Cruiser

Important information

Make sure you have carefully read the safety section of this manual as we have outlined all the areas that relate to the safe operation of your 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 properly connected and locked into place.
2. Make sure the rear battery cable properly connected
3. 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 moving while boarding. This could lead to an accident.
4. When you are onboard make sure your feet are safely on the footrest.

Get familiar with the controls and Joystick Controller:

1. Drive slowing until you get comfortable with the speed control
2. Practice going forward and reverse
3. Practice turning and making a complete 180° turn.
4. Get use 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 you hand off the joystick, or stop the forward or reverse motion.
5. Proactive cornering. You want to make sure you corner at a safe speed to avoid the possibility of accidentally tipping.

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 Cruise 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.

VI. Riding the Geo Cruiser

TERRAIN

1. This Geo Cruiser is designed for use on firm, even surfaces such as concrete, asphalt and indoor flooring.
2. Do not operate the Geo Cruiser in sand, loose soil or over rough terrain. Doing so may damage wheels, bearings, axles or motors, or loosen fasteners.

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.

GETTING OFF YOUR GEO CRUISER

1. Make sure to bring the Geo Cruiser to a complete stop
2. Power down the unit. This way you can avoid accidentally touching the joystick, thus causing the Geo Cruiser to move while you are getting off the unit.
3. Raise the armrest so that you can conveniently un-board the unit.
4. Carefully and safely get out of the seat.

VII. Traveling with Geo Cruiser

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

Airline Travel

The battery on the Geo Cruiser meets 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 request that you download the following documents from our website before traveling, as the airline may request them before accepting the Geo Cruiser.

1. The Geo Cruiser battery Material Handling Data Sheet (MSDS)
2. 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

1. Carrying the Geo Cruiser on a plane, train or boat
2. Transporting the Geo Cruiser in the truck or hatchback of a car, van or sports utility vehicle
3. You can also roll it like a suitcase or hand-truck as demonstrated below. To do this, the tiller must be locked in the upright position as shown, and transported with the tiller tipped to the rear enabling the Geo Cruiser to roll using the two anti-tip wheels.

VIII. Basic Troubleshooting

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 the light is flickering, 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 the green light continues to flicker, we recommend that you review the Geo Cruiser Diagnostic Code table below to get a diagnosis of the problem, and a recommended resolution.

Diagnostic/Resolution Code Chart

Diagnostic code	Diagnosis Description	Recommended solving methods
Flickers one time slowly	Hall malfunction of left motor	Check the welding connection on the left motor. Check the internal hall component
Flickers two times slowly	Hall malfunction of right motor	Check the welding connection on the right motor. Check the internal hall component
Flickers three times slowly	Battery Charger problem	Try a new charger. If this does not work, check if the battery cable to make sure it is not loose. Contact us and we may have to swap out the battery if it is still under warranty.
Flickers four times slowly	Potential Left Motor Problem	Make sure the cable connecting to the left motor from the controller is not loose.
Flickers five times slowly	Potential Right Motor Problem.	Make sure the cable connecting to the right motor from the controller is not loose
Flickers six times slowly	Potential Problem with Left Brake	Make sure the cable connecting to the left motor from the controller is not loose.
Flickers seven times slowly	Potential Problem with Right Brake	Make sure the cable connecting to the right brake from the controller is not loose
Flickers eight times slowly	Potential Controller Problem	Contact our Technical Support
Flickers nine times slowly	Potential Cable Problem	Check the Controller Coupler Connection to make sure it's not loose.
Flickers four times quickly	Over current of left motor	Releasing the rocker can eliminate the malfunction.
Flickers five times quickly	Over current of right motor	Releasing the rocker can eliminate the malfunction.

IX. Care and Maintenance

Your Geo Cruiser is designed to provide years of service, provided you take good care and provide the 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 material. It is machine washable, and can be replaced.
- **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 titanium alloy, a very strong metal designed. It is painted with a high quality paint 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 to the electrical.

Wire Harness

- You should regularly check all wiring connections, 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

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

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.thegeocruiser.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:

Geo Cruiser
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 **877-653-3659**

Phone Support:

Call us toll free at **877-653-3659** 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.thegeocruiser.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.