



**Lite Cruiser**  
Personal Mobility Aid

DELUXE MODELS  
(SLIM, REGULAR & WIDE)

# USER MANUAL



# WELCOME

To the Mobility Revolution.....

## BEFORE YOUR FIRST USE, PLEASE READ THIS IMPORTANT INFORMATION

Thank you for purchasing the EZ Lite Cruiser. We sincerely hope that it will bring convenience and enjoyment to your daily life. This model is designed for specific practical user needs, combining solid and rugged construction, with modern high-tech electronics, patented, innovative folding and unfolding, disassembly and reassembly, and numerous adjustments and features.

Please read the instructions before using the chair in order to operate and maintain it properly. Failure to follow the instructions outlined here, and proper maintenance of the components, may result in damage to the device or serious injury. EZ Lite Cruiser assumes no responsibility for personal injury or property damage sustained by or through the use of this product. If you are not comfortable operating it, or you feel that you are unable to operate it safely, please do not operate this device. This manual provides users practical tips and information on safety issues, operation, and maintenance. Please read it very carefully to ensure your maximum enjoyment and to fully benefit from your new found independence and mobility.

Having your device checked regularly is the best way to ensure smooth operation, and safety. Please contact us and speak to one of our helpful Customer Service or Technical Support team members anytime you have questions or concerns.

## PRECAUTION SIGNS TO LOOK FOR WHILE READING THE USER MANUAL

Please pay attention to the followings content with these warning symbols. Failure to take precautions could result in serious injuries. It can also damage or decrease the life expectancy of your device.



WARNING



GET ASSISTANCE



DON'T DO THIS

# TABLE OF CONTENTS

<b>INTRODUCTION</b>	
Before Your First Use	2
Precaution Signs To Look For	2
Table of Contents	3
<b>OVERVIEW OF THE DEVICE</b>	
Component Guide	4
Specifications	6
<b>INITIAL SETUP</b>	
What's In the Box	8
"EZ" Setup Guide	10
<b>DETAILS ABOUT THE DEVICE</b>	
Standard Features & Adjustments	18
Optional Features	32
<b>OPERATING THE DEVICE</b>	
Know Before You Roll	34
"EZ" Usage Guide	35
Battery Handling & Care	39
Charging the Battery	40
<b>SPECIFIC USAGE INSTRUCTIONS</b>	
Removing the Motors	42
Folding & Unfolding	44
Power & Manual Mode	46
Transport & Storage	47
Advanced Usage & Additional Precautions	48
<b>TROUBLESHOOTING</b>	
Troubleshooting Guide	50
Additional Troubleshooting Tips	54
Understanding the Joystick LED panels	55
<b>DEVICE UPKEEP &amp; CARE</b>	
Service & Maintenance of Common Parts	56
Cleaning & Lubricating	62
Getting Parts, Assistance & Website Resources	63
<b>WARRANTY &amp; SERVICE LOG</b>	
Terms of the Warranty	64
Service History Table	65
<b>AUXILLARY INFORMATION</b>	
Accessories	66

# COMPONENT GUIDE

(FRONT)

This diagram will help identify the more common components of your device.  
*Please Note: A Base DX12 Model is used as an example, your exact device may look different.*



Scan this QR Code on the left using your Smart Phone or Tablet Camera to view a more comprehensive parts diagram.

Or visit <https://www.ezlitecruiser.com/deluxediagram>

From our website ([www.ezlitecruiser.com](http://www.ezlitecruiser.com)) Main Menu, select "Questions" and "Parts Diagram - Deluxe"

# COMPONENT GUIDE

(REAR)



Scan this QR Code on the right using your Smart Phone or Tablet Camera to browse for replacement parts.

Or visit <https://www.ezlitecruiser.com/getparts>

From our website ([www.ezlitecruiser.com](http://www.ezlitecruiser.com)) Main Menu, select "Support" and "Get Parts"



# SPECIFICATIONS

## OF THE VARIOUS DELUXE MODELS

	DELUXE SLIM	DELUXE REGULAR	DELUXE WIDE
WEIGHT w/o BATTERY	57 - 61 lbs	58 - 62 lbs	58 - 62 lbs
WEIGHT with BATTERY	Add 5 lbs each 10 Ah battery, or 7 lbs for each 15 Ah battery.		
FRAME WEIGHT (w/ removable motors)	34 - 36 lbs	35-37 lbs	35-37 lbs
MOTORS WEIGHT (w/ removable motors)	12 - 13 lbs	12 - 13 lbs	12 - 13 lbs
UNFOLDED SIZE (length x width x height)	31" x 24" x 39"	31" x 26" x 39"	31" x 27" x 39"
FOLDED SIZE (length x width x height)	32" x 24" x 14"	34" x 26" x 14"	34" x 27" x 14"
SEAT SIZE (length x width)	17" x 17.5"		
SEAT HEIGHT (from ground)	21.5"		
SEAT STYLE	Contoured		
REMOVABLE SEAT?	Yes		
BACK HEIGHT	17.5"		
BACK WIDTH	17"	19.5"	19.5"
RECLINES?	Yes		
ARM REST HEIGHT (from the ground)	27.5" - 28.5" (adjustable)		
ARM REST HEIGHT (from top of seat)	6" - 7" (adjustable)		
ARM REST TYPE	Contoured / Curved		
ARM REST WIDTH	2.75"		
ARM REST LENGTH	12.25"		
DISTANCE BETWEEN ARM RESTS	17"	19"	21.2"

Please Note: Specifications can vary from what is listed in the table, depending on manufacturing date.

# SPECIFICATIONS

## OF THE VARIOUS DELUXE MODELS

	DELUXE SLIM	DELUXE REGULAR	DELUXE WIDE
FOOT REST HEIGHT (from edge of seat)	13.75" - 18.75" (adjustable)		
TURNING RADIUS	~31 - 45"		
TOP SPEED	Up to 5 mph		
BATTERY TYPE	Advanced Lithium Battery with up to 1000 Power Cycles.		
DRIVING DISTANCE	Up to 10 Miles when equipped with a 10 Ah Battery Up to 15 Miles when equipped with a 15 Ah Battery		
GROUND CLEARANCE	3" (How much space there is before an obstacle can catch on the device frame or its components)		
THRESHOLD HEIGHT ABILITY	1.25" (Largest protruding obstacle the device can safely overcome)		
FRONT WHEEL SIZE (diameter x width)	6" x 2" (SX8) 7.5" x 2" (SX10/SX12)	6" x 2" (DX8) 7.5" x 2" (DX10/DX12)	6" x 2" (WX8) 7.5" x 2" (WX10/WX12)
DISTANCE BETWEEN FRONT WHEELS (inside)	19.5"	21"	21"
FRONT WHEEL MATERIAL	Solid, Polyurethane (PU) Foam Inside; Plastic Outer Shell.		
REAR WHEEL SIZE (diameter x width)	8" x 2" (SX8) 10" x 2.25" (SX10) 12" x 2.25" (SX12)	8" x 2" (DX8) 10" x 2.25" (DX10) 12" x 2.25" (DX12)	8" x 2" (DX8) 10" x 2.25" (DX10) 12" x 2.25" (DX12)
DISTANCE BETWEEN REAR WHEELS (inside)	19.5"	21"	21"
REAR WHEEL MATERIAL	Solid, Polyurethane (PU) Foam Inside; Rubber Outer Shell.		
INCLINE ABILITY	Up to 20% Slope (12°)		
MOTOR POWER	250 Watts Each Motor (Left & Right)		
MOTOR TYPE	Electric, High Efficiency Brushless HUB Motors		
CHARGER TYPE	Input: AC 100-240V~1.8A Max 47Hz-63Hz Output: DC29.4V~2A (regular) OR DC29.4V~5A (speedy)		
BRAKES	Automatic Braking System		

# WHAT'S IN THE BOX?

*Refer to your shipment notifications or order details (generally communicated to you via e-mail or text messages) to see if your order was a single parcel, or split into separate shipments. This is important to determine where your components are located.*

## SINGLE WOOD CRATE

### **IF YOUR ENTIRE ORDER WAS SHIPPED IN JUST ONE PARCEL (CRATE ONLY)**

Inside the crate you will find a box containing some finishing parts that you'll need to complete the initial setup the device before first use. Inside the battery storage compartment (see Component Guide on page 4-5), you will find the primary battery & charger. Any accessories ordered will be inside the battery storage compartment or inside the main wooden crate. Set those items aside, we will show you what to do with them in the EZ Setup Guide on the following pages.

*In certain instances, generally if the device is drop shipped directly to you from our manufacturer (the shipment originating overseas) the primary battery & charger and any accessories will be packed and shipped separately, and the box containing the finishing parts will be in the battery storage compartment. Shipments may arrive on different days depending on the shipping carrier, shipping volume, customs clearance, general delivery delays, and other factors.*

## WOOD CRATE + BOX(ES)

### **IF YOUR ORDER WAS SHIPPED IN MULTIPLE PARCELS (CRATE + BOXES)**

As noted above, inside the crate you will find a box containing some finishing parts that you'll need to complete the initial setup the device before first use. Inside the battery storage compartment (see Component Guide on page 4-5), you will find the primary battery & charger. Set those items aside, we will show you what to do with them in the EZ Setup Guide on the following pages.

Any additional batteries, chargers & any accessories (unless back-ordered) will be located in any separate box(es). The size, weight & contents of any additional boxes may vary depending on what you ordered. Be sure to refer to your order confirmation email & notifications to determine what items are in which package.



# WHAT'S IN THE BOX?



# “EZ” SETUP GUIDE

Let's get started setting up your device for the first time. We also recommend watching the helpful setup video as you go through these steps. A DX12 is used for Example.

Use your Smart Phone Camera to scan the QR code on this page to watch the setup video.

Or visit <https://www.ezlitecruiser.com/setupdeluxe>

From our website ([www.ezlitecruiser.com](http://www.ezlitecruiser.com)) Main Menu, select “Videos” and “Deluxe Model - Usage”



## **STEP 1 -- REMOVE BUBBLE WRAP & UNBUCKLE THE TIGHTENING STRAP**

Remove the bubble wrap covering of the device. Unclip the buckle that is holding the device closed. Keep this buckle strap for use later when you are transporting the device in your personal vehicle, or traveling with it.



# “EZ” SETUP GUIDE

## STEP 2 -- UNFOLD THE DEVICE

With one hand on the seat cushion (or the supporting frame underneath it), and your other hand on the top back support handle bar, separate the two sections, by pushing down on the seat, and pulling back on the back support bar handle, until you hear a “click” sound and feel a small vibration of the spring loaded pins catching their cubby holes, which will happen once it has been fully unfolded.



# “EZ” SETUP GUIDE

## STEP 3 -- LOCATE BATTERY & CHARGER IN COMPARTMENT UNDER SEAT

Unzip the battery storage compartment and remove the battery & charger that are stored there for shipping. They battery will be wrapped in protective padding or bubble wrap. Remove the protective padding but keep it inside the carrying bag. The charger will be in a small box along with the battery.



## STEP 4 -- LOCATE & IDENTIFY THE FINISHING PARTS FOR SETUP

Open the box that contains your finishing parts to prepare them for setup. *Some parts may be in the undercarriage.* Identify the individual parts.

In total, you will have:

- (a) Two Kickstands,
- (b) Two Anti-Tilt Wheels,
- (c) Two Anti-Tilt Wheel Receptacles,
- (d) Two Frame End Caps,
- (e) Two Recline Mechanism Covers,
- (f) One Toolkit,
- (g) One Basic Seat Belt,
- (h) One “emergency only” battery cable.  
(we’ll explain item “h” later)



# “EZ” SETUP GUIDE

## STEP 5 -- INSTALL KICKSTANDS

a) Using two 5mm allen wrenches, hold one head still (doesn't matter which), and turn (counter clockwise) the other to unscrew the male bolt out of the female tube, as shown in Fig. 5. Once the bolt is loose, slip the kickstand onto the female tube, and slip the open end back through the frame slider. Close it off using the male bolt, and again, use two allen wrenches.



FIG. 5

b) Next, locate the two smaller hex head screws found in the toolkit bag. Use a 3mm hex wrench, attach one to the smaller threaded hole (as shown in Fig. 6), going through the side rail slider first then into the kickstand. It can be installed on either side (inside or outside) of the frame. This will elevate the kickstand off of the side rail of the frame, and firmly secure it so it is not moving. ***This part (b) is very important, do not omit it. Do not Fold the device before doing this step.***



FIG. 6

c) Finally, using the push pin on the kickstand (as shown in Fig. 7), extend the length of it depending on your models rear wheel size. If your model has 8" rear wheels, use the first hole. If your model has 10" rear wheels, use the second hole. If your model has 12" rear wheels, you guessed it, use the third hole.



FIG. 7

*Repeat these steps for the kickstand on each side of the device.*

# “EZ” SETUP GUIDE



FIG. 8

## STEP 6 -- INSTALL THE ANTI-TILT WHEELS

a) Use the screwdriver provided to install the anti-tilt wheel receptacle to the frame. Slip the receptacle on to the frame side rail with the receptacle pointing back and with the release hole visible at the back as shown in Fig. 8. Secure it with the screws provided, one on each side of the side rail.

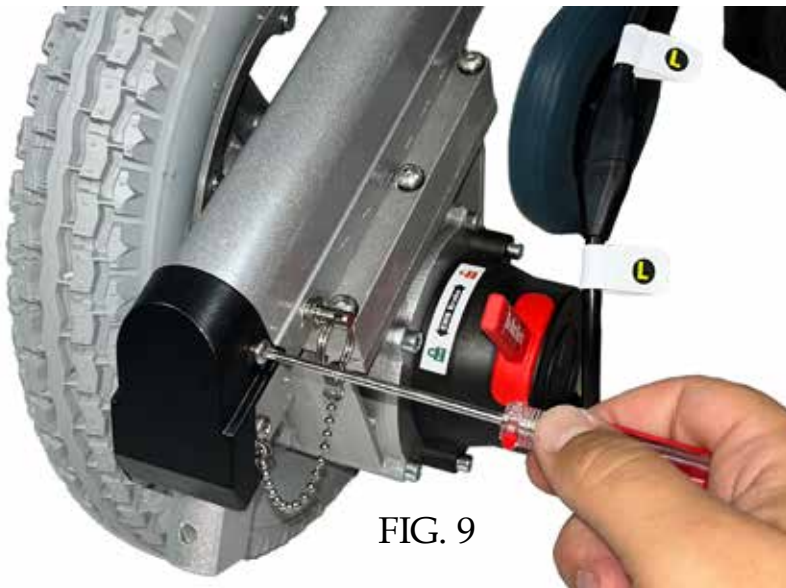


FIG. 9

b) Next, using the screws provided, install the plastic frame end cap to cover the anti-tilt wheel receptacle and the frame, at the very end of the side rail, as shown in Fig 9. Again, secure it with the screws provided, one on each side of the side rail.

c) Press the push button, and insert the anti-tilt wheel fitting into the receptacle as shown in Fig. 10.

*Be sure to do steps a, b & c for both sides of the device.*



FIG. 10

# “EZ” SETUP GUIDE

## STEP 7 -- ATTACH RECLINE MECHANISM COVERS

a) Locate the recline mechanism plates, (see Component Guide on pages 4-5.)

Using one of the 4mm hex wrenches in your toolkit, remove the bolts from the front and back of that plate, as shown in Fig. 11.

These bolts will be used again right away to secure the covers, so keep them close.

b) Take the recline mechanism covers from the setup box parts, identified on Page 28, and affix each side to the matching plate. Use the bolts from step a) above to secure the covers to the plates, as shown in Fig. 12.

*Be sure to do steps a & b for both sides of the device.*



FIG. 11



FIG. 12

# “EZ” SETUP GUIDE

## STEP 8 -- INSERT THE JOYSTICK INTO THE ARM REST FRAME

Using the Component Guide on Pages 4-5, locate the Joystick. Carefully remove the joystick from its protective bubble wrap, making sure not to cut or damage any wiring.

Notice the joystick is affixed to a silver fork, with 5 preset holes at the bottom of it. These holes allow you to set the length of the joystick for the users comfort -- as noted on Page 23 of the Features section of this User Manual.

Insert the butt-end of the joystick fork into the arm rest frame.

Use the spring loaded fastening knob, by pulling down on it, to allow entry of the end of the fork into the arm rest frame. Release the joystick fastening knob to lock it into place. You may need to shift the joystick fork around a bit to allow it to catch a hole. This should be adjusted later once the user is sitting in the device, set for their comfort.





# “EZ” SETUP GUIDE

## STEP 8 -- CONNECT THE BATTERY

Using the information from this EZ Setup Guide, Step 3, locate the Battery that was stored in the Battery Storage Compartment of the device, during shipping. Carefully remove the battery from its protective wrap, making sure not to cut or damage any wiring. You can leave the battery in its hand held carrying case. The battery does have some charge when it is shipped. Locate the two connectors of the battery:

- a) Square translucent plug, which may be covered with a black rubber sleeve;
- b) Round silver plug (XLR); *(we'll discuss this second one in the section on "Charging")*

Take the Square translucent plug, slide the black rubber sleeve back along the wiring, and connect the plug to the matching but slightly larger Square translucent plug located to the right of the Battery Storage Compartment of the device (... or left of it, as you're looking at it from the front.) The connection can only be made one way, when the tooth on one end slips under the latch of the other end. *The round silver plug (XLR) will not be connected to anything at this time, it is only used for charging the battery, discussed later.*

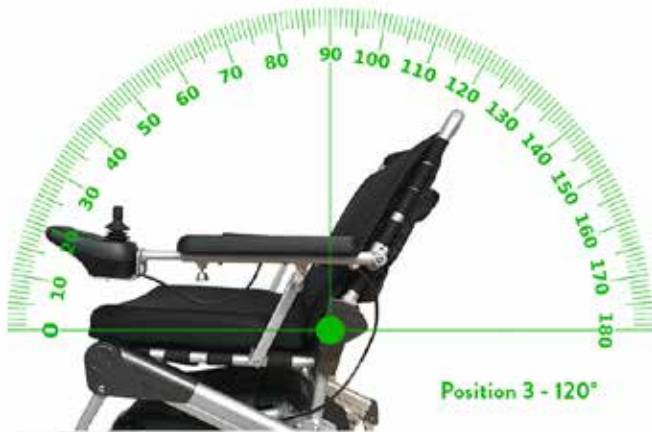
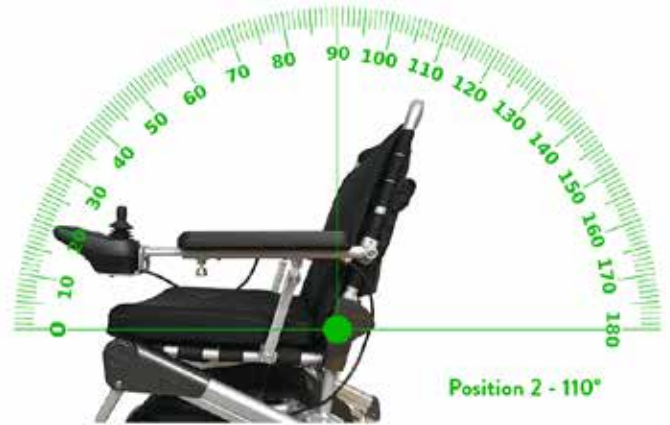
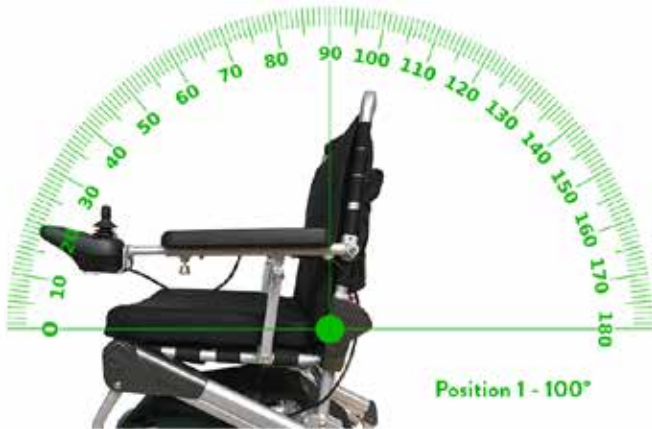
When necessary, to unplug the battery, lift the latch on one end, and pull the other end.



# FEATURES

## RECLINE POSITION

Every Deluxe Model has the ability to recline or tilt the back support, as shown below, into 5 preset positions.



Scan this QR Code on this page using your Smart Phone or Tablet Camera to watch a video that shows you step by step how to recline the back support.

# FEATURES

## QUICK RELEASE MOTORS

Your EZ Lite Cruiser Deluxe Model has the ability to be taken apart into three pieces, to help lighten the load when lifting, during your personal transport of the device. It is not necessary to do for air travel, or if you wish to lift it as a whole.

Scan this QR Code on this page using your Smart Phone or Tablet Camera to watch a video that shows you step by step how to remove the motors from your device, and how to re-attach them to the device.



*Please make sure to put the Left Motor on the Left side of the device, and Right Motor on the Right side of the device to ensure proper driving.*



*Please Note: the ability to split the machine into 3 pieces, better known as the Quick Release Motors Feature, is only available on models produced since 2019. Older models do not have this feature.*

# FEATURES

## VARIOUS WHEEL SIZES

EZ Lite Cruiser Deluxe Models are available with different sized wheels, for different intended uses. Refer to your model number (i.e. SX10, DX12, etc.) to determine the size.

### FRONT WHEELS



**6" Diameter x 2" Width**



**7.5" Diameter x 2" Width**

Smaller front wheels are more advantageous in tighter areas or when the device is used mostly indoors, because they provide the best turning radius. The 6" front wheels are used on our Deluxe Regular DX8, Deluxe Slim SX8, and Deluxe WX8 models. The 7.5" front wheels are used on our Deluxe Regular DX10 & DX12, Slim SX10 & SX12, and Deluxe Wide WX10 & WX12 Models.

### REAR WHEELS



**6" Diameter x 2" Width**



**10" Diameter x 2" Width**



**12" Diameter x 2" Width**

As with the front wheels, smaller rear wheels are more advantageous in tighter areas or when the device is used mostly indoors, because they provide the best turning radius. Larger rear wheels, however, are more advantageous for outdoor usage, or where traction is a major factor in safely navigating a path. The 8" rear wheels are used on our Deluxe Regular DX8, Slim SX8, and Deluxe WX8 models. The 10" rear wheels are used on our Deluxe Regular DX10, Slim SX10, and Deluxe WX10 models. The 12" rear wheels are used on our Deluxe Regular DX12, Slim SX12, and Deluxe WX12 models.

# FEATURES

## ADJUSTABLE ARM HEIGHT



FIG. 1

The height of the Arm Rests can be adjusted into three different positions. This can be helpful for taller users or those who need more support for the arm rests.

To adjust the height of the arm rest pad, use two 5mm Hex wrenches to loosen the barrel bolt, as shown in Fig. 1. Turn one side while holding the other side still. Remove the black hole cap for the desired position, and reinsert the bolts through the desired opening. Tighten the barrel bolt back together using the hex wrenches. Remember to reuse the black hole cap to cover any openings.

This adjustment should be done in conjunction with the next adjustment, which is to adjust the height of the supporting post.

The height of the support post under the arm rest pad can be adjusted. As shown in Fig. 2, pull the knob to release the pin from the current position. Lift the arm rest up, and select from one of the pre-defined 3 settings (holes.) Release the knob into desired setting.

This should generally match the same setting as the back (described above) to ensure a flat surface. If the user prefers and angle, the settings can be mixed and matched. This mechanism is also used to raise the arm rests all the way up.

**Do not put force on the arm rest (frame or pad) when the arm rest is raised.**



FIG. 2

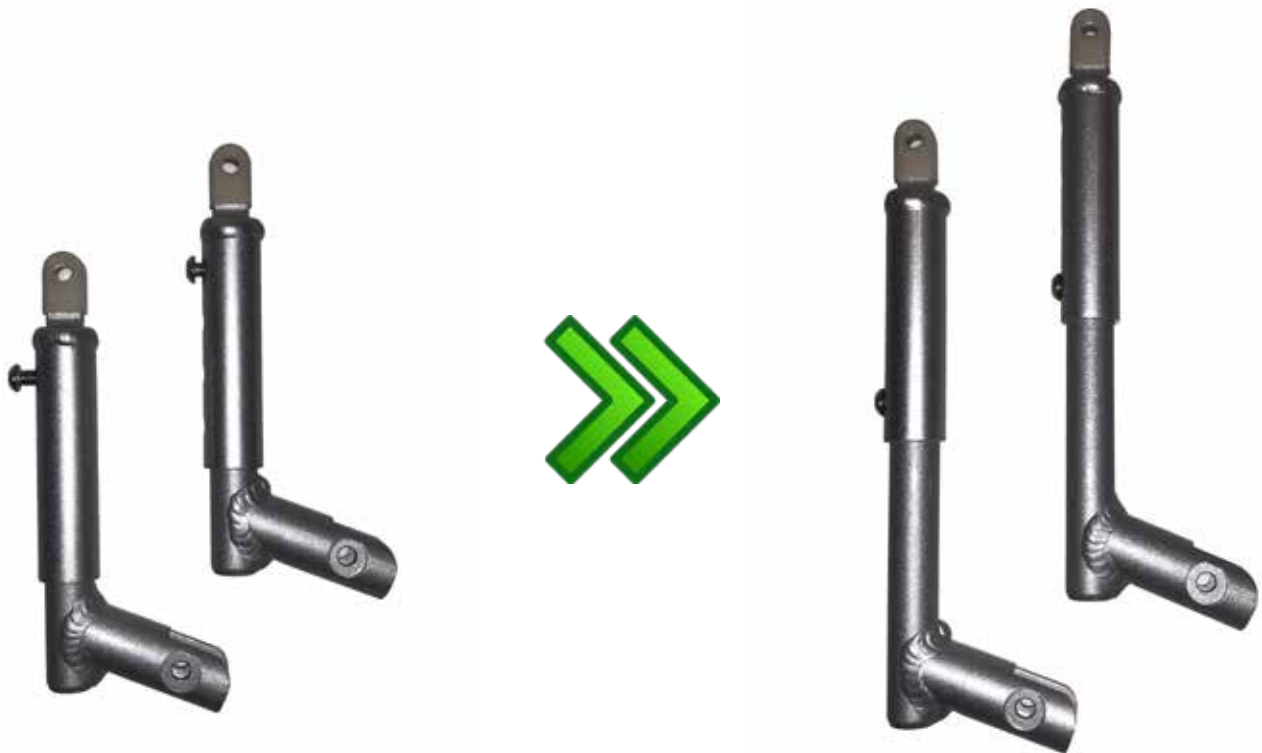
# FEATURES

## ADJUSTABLE FOOT REST

The height of the foot rest platform on your EZ Lite Cruiser Deluxe Model is adjustable for comfort. Taller users will appreciate the ability to lower the foot rest down, while shorter users will appreciate the ability to raise the foot rest up, for their particular liking. In some circumstances, you may have an obstacle that needs to be cleared with additional height to the foot rest platform. Adjust this based on your needs.

Use the Component Guide on Pages 4-5 to locate the foot rest platform, and the adjoining brackets that connect the foot rest plate to the frame.

On the back side of the brackets, you will find a set screw along with additional holes. Unscrew the set screw, and adjust the length by expanding or retracting the two pieces, as shown below.



*Please Note: the ability to adjust the length of the joystick to the desired length, is only available on models produced in late 2018 or anytime after. Older models (2015, 2016) would not have this feature.*

# FEATURES

## ADJUSTABLE JOYSTICK

The Joystick controller of your EZ Lite Cruiser Deluxe Model is mounted to a silver fork, called the Joystick Mounting Fork and locked in by the Joystick Fastening Knob (see Component Guide on Pages 4-5).

The butt-end of the Joystick Mounting Fork is inserted into the arm rest frame tubing, as shown below. On the bottom side of the Joystick Mounting Fork you will see 5 drilled holes that allow you to lock the Joystick in at varying lengths away from the end of the arm rest tubing. For users with longer arms, they may like the Joystick farther away, while users with shorter arms may like it closer.

Pull the Joystick Fastening Knob down, as shown in Fig. 3 below, as the Joystick Mounting Fork is being inserted into the arm rest tubing, and release at desired length. Shift the Joystick Mounting Fork in or out slightly for it to lock on one of the drilled holes.



FIG. 3

*Please Note: the ability to adjust the length of the joystick to the desired length, is only available on models produced in mid 2017 or anytime after. Older models (2015, 2016) would not have this feature.*

# FEATURES

## 360 DEGREE “EZ” JOYSTICK



The Joystick can be quickly unplugged and removed from the device, for safe storage or transport. To disconnect, pull cables apart at the circular plug. To reconnect, locate the arrows on each side of the connectors, it is embossed. Push the plugs together.

For air travel, unplug the joystick, and bringing it with you into the cabin in your carry on luggage. For personal vehicle travel, leave it connected, but remove it from the arm rest frame & store between the seat and back cushion.



# FEATURES

## BATTERY SIZES



**10 Ah Capacity**



**15 Ah Capacity**

Your EZ Lite Cruiser is powered by a 24 V Lithium Battery with a protection circuit board, also known as a battery management system. The battery is available in two different capacities, or the amount of stored charge.

The 10 Ah capacity is the smaller, base battery, which is airline and cruise line friendly. The 15 Ah capacity is a larger capacity battery, so you can get a longer driving distance with it, but unfortunately, it is outside of airline restrictions for what is allowed on board passenger aircraft.

Each battery, regardless of capacity, is equipped with two wires which have on their end, a different type of connector.

- a) Square Translucent Connector: used to provide power to the device. This connector has a rubber cover over it, that can be slid back along the wire to expose the connector.
- b) Round XLR Connector (3 pin): used to recharge the battery off-board.

More information about the battery is discussed in the EZ Usage section of this manual.

*Please Note: Older models may be equipped with batteries that look different than what is pictured above. The container of the battery (outside shell) of any older batteries could be different colors - blue or green. Older batteries may not have the XLR connector, instead, two individual wires for the square connector.*

# FEATURES

## CHARGER TYPES



Regular Charger



Speedy Charger

Your EZ Lite Cruiser Battery, whether it is the 10 Ah capacity or 15 Ah capacity, can be recharged by either the Regular Charger, or the Speedy Charger. The Regular Charger outputs current at 2 Amps, while the Speedy Charger outputs current at 5 Amps. Both chargers output a voltage of 29.4 V DC, while taking any input from 100 - 240 V AC input @ 50/60 Hz. More information about the chargers is discussed in the EZ Usage Guide section of this manual.

The charger can be used overseas in any electrical output that provides the 100 - 240 V AC input @ 50/60 Hz needed. The charger is supplied with a North American socket plug cable. To use it overseas in differencing socket types, you can simply use an adapter, such as the one shown on the right, our EZ Travel Adapter. This changes the shape of the wall socket cable to match the country you are in. See Accessories on page 70 for more information.



*Please Note: While the way your charger looks may vary depending on our supplier / partner, the actual input and output specifications will always be exactly what is required to recharge our batteries.*

# FEATURES

## SMART CONTROLLER BOARD



Your EZ Lite Cruiser is equipped with a high tech smart controller board, located behind and underneath the seat (See Component Guide on pages 4-5 for the exact location). This board takes the signal input from the Joystick, and operates two independent drive motors based on your inputs. The controller handles all aspects of driving, including but not limited to the acceleration, motor power output, deceleration, turning and other functions.

The controller board has a programmable memory for the values of each particular function. A default set of values is preset that are suitable for most users.

However, these settings can also be customized to a users needs, if the default programmed settings may not be suitable. To accomplish this, simply use our Joystick Programming Kit, which interfaces through the Joystick, to communicate with the Controller Board and make changes as needed. See Accessories on page 71.

Programming these settings to a users preference may help with the users ability to safely operate the device. The more common settings that users change is the overall top speed, and acceleration to make the chair operate in a slower mode.



# FEATURES

## AIRLINE FRIENDLY

If your device is equipped with a 10 Ah battery, it can be taken on an airplane. Scan the QR Code on this page using your Smart Phone or Tablet Camera for a full list of airlines & their specific policies regarding Lithium Batteries & Mobility Aids.



Or visit <https://www.ezlitecruiser.com/air>



LOGOS SHOWN ARE COPYRIGHT (C) OF THEIR RESPECTIVE COMPANY

# FEATURES

## CRUISE LINE FRIENDLY

If your device is equipped with a 10 Ah battery, it can be taken on a cruise ship or boat. Scan the QR Code on this page using your Smart Phone or Tablet Camera for a full list of cruise lines & their specific policies regarding Lithium Batteries & Mobility Aids.



Or visit <https://www.ezlitecruiser.com/cruise>



COMPANY AND USED FOR INFORMATIONAL PURPOSES



# FEATURES

## ANTI-TIPPING WHEELS

Your EZ Lite Cruiser Deluxe Model is equipped with anti-tipping wheels that attach to removable receptacles on both ends of the side beam frame.

They can be set to two different levels, based on the specifications of the ramp that you need to traverse. The bolt in the center of the wheels can be removed (using two 5mm hex wrenches), and the frame bit they are attached to has two holes which the bolt can be set in.

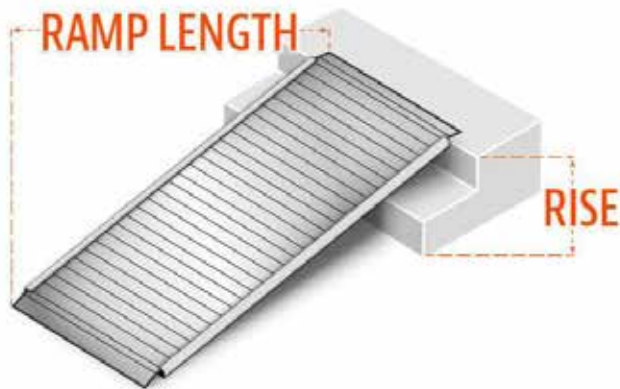
They will activate when a slope greater than ADA limits is traversed, to keep the chair from tipping over backwards.



*Please Note: The color of the anti-tipping wheels may vary based on availability.*

# FEATURES

## INCLINE ABILITY



Use this chart as a guide to see what length ramp you would need, in order to get up a predetermined height safely.

For safety, we recommend you stay within a 20% slope, or less. The motors can handle a greater slope, and if attempting any a slope beyond this grade, we recommend the rider have a caregiver behind them for added safety.

As an example, if you're going up a 6" height in total, a 72" length ramp is preferred, as it would fall within ADA ratings (<8% grade), while a 36" ramp would be the shortest possible to maintain safety.

	12"	24"	36"	48"	60"	72"	84"
1"	8.33%	4.17%	2.78%	2.08%	1.67%	1.39%	1.19%
2"	16.67%	8.33%	5.56%	4.17%	3.33%	2.78%	2.38%
3"	25.00%	12.50%	8.33%	6.25%	5.00%	4.17%	3.57%
4"	33.33%	16.67%	11.11%	8.33%	6.67%	5.56%	4.76%
5"	41.67%	20.33%	13.89%	10.42%	8.33%	6.94%	8.33%
6"	50.00%	25.00%	16.67%	12.50%	10.00%	8.33%	7.14%
7"	58.33%	29.17%	19.44%	14.58%	11.67%	9.72%	8.33%
8"	66.67%	33.33%	22.22%	16.67%	13.33%	11.11%	9.52%
9"	75.00%	37.50%	25.00%	18.75%	15.00%	12.50%	10.71%
10"	83.33%	41.67%	27.78%	20.83%	16.67%	13.89%	11.90%
11"	91.67%	45.83%	30.56%	22.92%	18.33%	15.28%	13.10%
12"	100.00%	50.00%	33.33%	25.00%	20.00%	16.67%	14.29%

**LEGEND:**

- RED Text, WHITE Background** = Beyond Safe Limits of 20% Slope (**Not Safe!**)
- ORANGE Text, WHITE Background** = Approaching Safe Limit (**Questionable Safety**)
- GREEN Text, WHITE Background** = Beyond ADA Rated But Acceptable (**Safe**)
- BLACK Text, GREEN Background** = ADA Rated (**Very Safe**)

# FEATURES (OPTIONAL)

## FOOT REST EXTENDER

The position of the Foot Rest Plate can be extended 4.5" away from the frame of the device using the optional Foot Rest Extender Kit, pictured to the right, as is, and below, as installed on the device. This optional feature may be helpful to users who are taller, or those that may need to extend their feet (i.e. unable to bend their knees well.)

The Foot Rest Extender Kit can be added on, or removed, anytime.

See the available Accessories on Page 72 for ordering the Foot Rest Extender Kit, if it can be helpful to improve the comfort of the user.





# FEATURES (OPTIONAL)

## PREMIUM SEAT BELT

A metal buckle, adjustable, Premium Seat Belt, pictured to the right, as is, and below, as installed on the device, is available as an optional feature.

The Premium Seat Belt can be added on, or removed, anytime.

See the available Accessories on Page 72 for ordering the Premium Seat Belt Kit, if the user requires additional support for remaining seated.



# KNOW BEFORE YOU ROLL

## IMPORTANT NOTICES

Now that you've completed the "EZ Setup Guide", you're almost ready to roll. Before you roll, let's discuss some important information about using the device safely and properly. Please read this section completely & note the warnings outlined and when to get assistance.



The user must be of sound mind and judgement. They must be conscious and have unimpaired motor functions in their hand and have the proper cognitive ability in order to safely use the joystick controller. The user must read and understand this usage guide before operating the chair. The user should be familiar with all of the components and features of the device.



The user must understand that the EZ Lite Cruiser is a light weight device, and the users weight may be significantly more than the device itself. To that end, the users weight can affect the way the device operates. Shifting the users weight to the side, forward or back, can affect the traction on the wheels, as well as the stability of the device. Ensure anti-tipping wheels are always attached & the user does not sway side to side, especially while driving.



If you are unable to operate the device safely, stop using it, and consider having it used for you in caregiver mode. Use the Caregiver Joystick Mount accessory to install the joystick on the back of the device, for operation by a caregiver, on behalf of the rider. The device can also be operated in a manual mode by the caregiver. Turn the power off, flip the red levers next to each motor (using your hands, DO NOT kick the levers) to put them into neutral mode, then push the device from behind.



Before sitting down on the seat, always check to make sure the device is unfolded completely to avoid the chair folding down on the user. To check, from the rear of the machine, push forward (firmly) on the back support part of the frame.

Next, check that the motors are in the locked position, to avoid the chair rolling away. To check, push forward (firmly) on the back support to make sure the rear wheels do not roll. If they do roll, flip the red levers next to each motor (you will hear a clunk) and check again to make sure the wheels are now locked.

Upon powering the device on, adjust the speed to the desired level.

# “EZ” USAGE GUIDE

If at any point or with any particular path the user does not feel safe on the device, they should not sit on the seat of the device, operate any functions or features of the device, or drive the device. Safety of the user is of the utmost importance for EZ Lite Cruiser.

## MOVING FORWARD, BACKWARDS, TURNING & STOPPING

To move forward, push the joystick throttle forward.

To move backwards, pull the joystick throttle backwards. Before doing so, be aware of what is behind you to avoid collisions.

How lightly or strongly you push the throttle will determine how the device responds. A lighter push will allow a slower and smoother take off, while a harder push will result in a quicker and more abrupt take off.

Point in the direction you wish to go. The front wheels will adjust accordingly and at some point in time, the front end may veer slightly to a different direction than where you are pointing to with the throttle. Do not become alarmed and do not attempt to ‘correct’ the movement of the device. The device will eventually align its front wheels to go into the direction you are pointing to.

To stop, let go of the throttle. Do not push backwards to stop.

To turn in place, push the throttle hard to the left or right side depending on which way you wish to turn. Before doing so, be aware of what is to the left or right of you to avoid collisions.

The controller board makes each of the two independent motors move. When you push forward or back, both motors rotate at the same rate, and it drives you forward or backward.

## DRIVING ON BENDS OR WINDY PATHS

While attempting to maintain forward movement, lightly push the throttle in the direction of the bend. The motor on the side you push towards will begin to slow down.

The closer the push is to the left or right side, the slower the device will move forward, and the more it will move to the left or right.

Avoid making a sharp turn. A sharp turn should only be done when the device is already in a stopped position.

As you push the throttle towards one side, the motor on that side is slowed down.

# “EZ” USAGE GUIDE

## **OBSTACLES, CURBS AND THRESHOLDS**

Look for obstacles in the path as you are driving. As you approach an obstacle, lightly push the joystick throttle in either direction to avoid and maneuver around any obstacles.

Lightly push the joystick throttle and drive slowly over the curb or threshold. The threshold should not be greater than 1.25” vertically to avoid tipping forward or backward.

## **CROSSING THE STREET**

Pay attention to traffic signals, posted signs, and avoid motor vehicles. Only cross the street when you are allowed to and when it is safe to do so.

Drive slowly down the curb, and after crossing the street, drive slowly up the curb.

Prior to crossing the street, make sure you have sufficient battery power to avoid stopping in the middle of the street.

## **DRIVE ON SIDEWALK WHEN POSSIBLE**

The device should be driven on the sidewalk and avoid entering the street, or anywhere there is a motor vehicle lane, unless it is to cross the street.

## **DRIVING UPHILL AND DOWNHILL**

When driving uphill, keep your body tilted forward to keep the center of gravity stable. Drive slowly and calmly. Before driving uphill, ensure the anti-tilt wheels are inserted. Avoid driving on uphill slopes beyond an 8% grade. Any uphill slopes between 8% to 20% we recommend having a caregiver assist, to prevent accidental tipping or rollover.

When driving downhill, drive all the way through the decline and stop on a flat area. If you stop on a downhill slope, during breaking, the device may continue to move as the brakes stop the movement of the wheels, on slopes beyond an 8% grade.

We recommend keeping the device on slopes less than an 8% grade, but never on slopes beyond a 20% percent grade.

## **DRIVING OVER A HIGH CURB/STEP OR STEEP INCLINE**

Driving over a curb or step of more than 1.25” or an incline of greater than 20% could result in a rollover, even with the anti-tipping wheels, and should never be attempted. Seek the help of a caregiver to be positioned behind the device to safely navigate such a path.

# “EZ” USAGE GUIDE

## DRIVING FASTER

When you are comfortable with the controls, and if it is safe to do so, you can drive faster. Increase the speed with the ( + ) button, and push the joystick throttle all the way in the direction you want to go. If you do not feel you are in 100% control, lower the speed.

## DRIVING OVER TRAIN OR RAILROAD TRACKS

We highly discourage you from ever crossing railroad or train tracks alone in the device. Always seek the help of a caregiver in this situation.

Attempting to cross tracks that are elevated too high (greater than 1.25”), or have a wide gap between the tracks and platform, could result in a rollover or accident, and should be avoided to prevent endangering the safety of the user.

## ENTERING & EXITING AN ELEVATOR

The user should note the size of the elevator door and the inside measurements of the elevator to ensure a smooth entering, exiting and repositioning while inside.

Narrow doorways or inner dimensions should be avoided. Narrow inner dimensions will restrict the ability to reposition for exit and may require you to drive out in reverse.

Pay attention to the opening and closing intervals of the door to avoid collision while entering or exiting the elevator

## TRANSFERRING INTO AND OUT OF THE SEAT

We recommend that the user has assistance getting into and out of the seating area.

To enter or exit from the front, the foot rest can be flipped up vertically for clearance. If the user has difficulty entering from the front, the arm rest can be raised vertically to allow for entry and exit from the side.

## SEAT BELT

The user should use a seat belt if they have trouble remaining seated. A basic seat belt, comprised of a plastic buckle and nylon mesh strap are provided. The basic seat belt wraps around the back support frame, underneath the back support cushion. A premium seat belt that is affixed to the device can be purchased and installed optionally, see our Accessories on Page 72 for more information.

# “EZ” USAGE GUIDE

## CONTACT WITH WATER

The device components are rated IPX4, which means they can sustain being sprayed with liquids, but should not be hosed down or be in direct contact with heavy rain or water.

## DRIVING IN THE RAIN OR SNOW

It is recommended to avoid using the device in any precipitation. If you must, cover the device with a poncho to prevent damage the electronic components. Heavy downpours should be always avoided.

Driving in snow or icy paths will reduce traction & should be avoided.

## CLEANING

The frame and non-porous surfaces can be cleaned using warm water, alcohol, or a gentle cleanser. The seat cushion cover can be removed and washed in a gentle cycle and air dried. A vacuum can be used to clean hair or debris in porous surfaces or between cushions.

## REPAIR & MAINTENANCE

The EZ Lite Cruiser is designed to be easy to work on, and we support the ability of the user to repair it on their own. We respect your “Right to Repair” the device, as the owner.

We understand that not every user will be able to perform repairs, service or maintenance on their own. In those situations we recommend the device to be repaired, serviced or maintained by a licensed professional. We can help you locate one in your area.

Please feel free to contact our Technical Support team for assistance:

By Email to [support@ezlitecruiser.com](mailto:support@ezlitecruiser.com)

By Phone at (888) 544-6054, or +1 (310) 295-4422 for local & international callers

By Text Message (SMS) at (760) 514-4801

Also, you can browse the helpful videos on our website <http://www.ezlitecruiser.com>, by selecting the QUESTIONS or VIDEOS sections of our website, to identify the components, get answers to frequently asked questions or watch instructional videos on usage, service, repair & replacement of parts.

View the “SERVICE & MAINTENANCE” section of the user manual for more information.

# “EZ” USAGE GUIDE

## BATTERY HANDLING & CARE



Do not leave the battery in direct sunlight for a prolonged period. It can cause permanent damage or a volatile reaction. Keep the battery away from fire and heat sources.

Do not store it in a severe cold or hot environment. It may cause permanent damage or decrease the capacity and life of the battery. Always store it in a cool, dry place.



Do not ever open the battery casing or packaging, open or remove any wrapping, or attempt to gain any access to any component of the battery.

Do not use the battery if there is any indication of damage to the case, wiring or connectors.



Keep the battery away from moisture at all times.

Do not allow children near the battery or access to handle the battery.

Do not drop the battery repeatedly.



The battery is can be safely disposed at a facility in your area. Lookup online and/or contact your local municipality for information on where to dispose of lithium batteries.

The battery is equipped with a protection circuit board (PCB) also known as a battery management system (BMS) to manage proper charging and discharging of the battery cells.

The battery can remain stored in the handy carrying pouch. It is provided for convenience in carrying the battery when disconnected.

# “EZ” USAGE GUIDE

## CHARGING THE BATTERY



The charger operates at an input voltage between 100 - 240 V AC at 50/60 Hz. The charger outputs 29.4 V DC, at either 2 A (regular charger) or 5 A (speedy charger.) It is supplied with a north american style socket plug. It can be used in other countries with the proper adapter to alter the socket plug style.

Do not place any items on the charger while it is charging.



The charger may become warm during charging, especially for prolonged periods. The charger should never get hot to the point where it is uncomfortable to the touch. It should never emit sparks, fire or smoke, and if it does, discontinue use and replace it.

Ensure that the battery stays cool during charging. If the battery becomes warm or hot, deformed, or emits an odor or smoke during charging, stop the charging immediately.



The charger can safely remain connected for extended periods of time, even after charging has finished. There is an over-current or over-charging prevention mechanism in the battery's protection circuit board. It can be left safely overnight or unattended for periods of time, as long as the operations appear to be as usual.

To properly and safely store the battery long term, or for periods of not using it, we recommend charging the battery for 2 hours every two weeks, or 5 hours every 30 days, to prevent damage or decrease the capacity and life of the battery.



We recommend using the charger supplied by us for recharging. Before connecting the charger to the battery, ensure it is one that we supplied. Or before using a third-party charger, ensure that the specifications match.

There are two ways to charge the battery -- off-board with the charger connecting directly to the battery, or on-board with the battery connected to the device and the charger connected to the joystick input/output (I/O) port.

Charging time will vary depending on the current charge level & the type of charger used, i.e. speedy charger or regular charger.



# “EZ” USAGE GUIDE

## CHARGING THE BATTERY



FIG. 13

### ON-BOARD CHARGING (METHOD 1)

The term “On-Board” when referring to charging means that the battery is already connected to the device, and the charger will recharge the battery through the electrical wiring system of the device, as shown in Fig. 13 to the left.

### OFF-BOARD CHARGING (METHOD 2)

The term “Off-Board” when referring to charging means that the battery is NOT connected to the device, and the charger will recharge the battery through the auxillary XLR plug (round silver plug) that is attached to your battery, an example of which is shown in Fig. 14 below, using a power strip and the REGULAR charger.

### STEPS FOR CHARGING

#### *Using the REGULAR Charger:*

- 1 - Plug into outlet, LED will be GREEN.
- 2 - Plug into joystick I/O port (on-board) or into battery XLR plug directly (off-board).
- 3 - LED will turn RED to indicate charging.
- 4 - LED will turn GREEN when completed.

#### *Using the SPEEDY Charger:*

- 1 - Plug into outlet, LED1 will be RED, indicating it is getting power from wall. LED2 will be GREEN.
- 2 - Plug into joystick I/O port (on-board) or into battery XLR plug directly (off-board).
- 3 - LED2 will turn RED to indicate charging.
- 4 - LED2 will turn GREEN when completed.

If you are getting different results, view our Troubleshooting Guide on Pages 56.



FIG. 14

# “EZ” USAGE GUIDE

## RELEASING THE MOTORS

Your EZ Lite Cruiser Deluxe Model can be split into 3 pieces, to lighten the lifting weight. The motors (with wheels) are removable from the frame. When doing this, it may be easier to flip the device onto its “back” so that the wheels are up in the air. This will give you a good line of sight on the components.

### STEP 1 -- UNPLUG THE MOTORS

To unplug the motor, run your fingers along the wiring and at a point, it comes to a thicker point. That is where the two ends connect. Pull the two ends apart (it may be a tight seal) until they are unplugged as shown in Fig 15. Remember to do this for both motors.



FIG. 15



FIG. 16

### STEP 2 -- RELEASE THE PIN

Unscrew the pin (it's threaded part of the way) & once loose, pull it out, as shown in Fig. 16. This requires a little bit of extra force to overcome the ball bearing on the end that prevents this pin from coming loose when not screwed in.

### STEP 3 -- SLIDE MOTOR DOWN

Grab the wheel or tire and slide it down towards the back end of the side rail. It will make contact with the anti-tilt wheel receptacle as shown in Fig. 17.

### STEP 4 -- LIFT MOTOR OUT

Once the Motor has been slid down to the end of the side rail, Lift the Wheel with motor out of the side rail frame by going straight out. Keep in mind the side rail is at a bit of an angle, so you will pull up and out on that same angle. Once it is out (as shown in Fig. 18 on the next page), you will notice its shape, needing to match on both ends in order to clear perfectly for removal from and reentry to the side rail frame.



FIG. 17

*Please Note: Older Deluxe Models produced in late 2018 and prior, do not have removable motors.*

# “EZ” USAGE GUIDE

## ATTACHING THE MOTORS

### STEP 1 -- LINE UP THE MOTOR FOR ENTRY

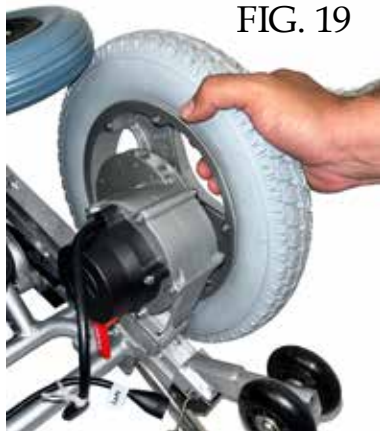
Make sure the motor you are attaching is the correct motor for that side. The motors are labelled for your convenience. Hold the wheel for easier handling.

Line up the back end of the motor to the back end of the side rail frame as shown in Fig. 18.

FIG. 18



FIG. 19



### STEP 2 --SLIDE MOTOR UP

Once the motor has entered into the side rail frame, push up and cause the motor to slide up the side rail frame, as shown in Fig. 19. Once it is all the way up and the pin hole is visible, proceed to the next step. *Note: Over time, the lubricant on these metal frame pieces may need to be reapplied. Contact us for more information if the area is dry, has dirt build up on it, and generally is not sliding well.*

### STEP 3 -- INSERT THE PIN

Once you've cleared the way by sliding the Motor up, you will see a hole for the locking pin. Push the pin through the frame through both sides. The tip should have exited from the opposing end. Lastly, screw the pin in securely so it does not back out with vibration and get lost.



### STEP 4 -- PLUG IN THE MOTORS

Reconnect the Motor electrical wiring to the Controller Board wiring. One side is flat, the other rounded, so they can only match up one way.

Make sure the motor labels match. If you reverse the motors, the device will drive in the opposite way.

*Please Note: The color of the anti-tipping wheels may vary based on availability.*

# “EZ” USAGE GUIDE

## UNFOLDING THE DEVICE

### UNFOLDING

To unfold the device, we recommend standing it vertically as shown in Fig. 20 on this page and standing to the side of the device.

Place one hand on the metal frame lifting handle under the seat cushion, and one hand on the back support frame. Pull apart the two sections and the device will begin to open up, as shown in Fig. 21 on this page.

Keep pulling apart until the back support and seat support are beyond a 90 degree angle, as shown in Fig. 22 on this page, and until you hear a click sound. This will indicate the frame has been fully unfolded and locked in. Do not sit on the seat until you've confirmed and double-checked that it is unlocked.



FIG. 20

FIG. 21



FIG. 22

# “EZ” USAGE GUIDE

## FOLDING THE DEVICE

### FOLDING

To fold the device, go to the back & locate the two red clamps labelled “To Fold”. Squeeze the clamps & proceed to push forward on the back support, as shown in Fig. 23. Once the device begins to fold, let go of the clamps & focus on completing the folding process. **DO NOT** fold it with the Arm Rests Raised Up, or while seat back is Reclined.

Go to the side of the device and continue the folding as shown in Fig. 24 until it is completed folded, as shown in Fig. 25. The front wheels may get in the way of folding, and may need to be adjusted.

Once folded, and if the kickstands are properly installed and elongated, the chair can be propped to stand upright. At this point you can remove the joystick, tuck it between the seat & back cushions, and use the provided strap to buckle the device closed.



FIG. 23



FIG. 24



FIG. 25

*Note: Over time, the lubricant on the side rail and side rail slider metal frame pieces may need to be reapplied. A clear silicone gel grease is used. Do not use WD-40.*

*Contact us for more information if the area is dry, has dirt build up on it, and generally is not sliding well or requires a seemingly excessive amount of force to fold it down.*

# **“EZ” USAGE GUIDE**

## POWERED & MANUAL MODE

### **USING THE ELECTRIC POWERED MODE (PRIMARY INTENDED USE)**

Before sitting down, ensure that the electromagnetic brake locks (the red lever next to each motor/rear wheel), as identified in the Component Guide on Page 4-5, are flipped into the DRIVE position. You will hear a “clunk” sound as the lever flips positions.

Get familiar with the following steps (a quick check) to determine if the motors are locked for the DRIVE mode, or unlocked for the PUSH mode.

1 - If the device is powered OFF and the rear wheels do not roll when you try to manually push the device from the back, then they are locked or in the DRIVE mode. If they do roll, flip the levers to lock them.

2 - If the device is powered ON, electricity is flowing to the motors, and it would be difficult to roll the rear wheels, even if they are unlocked (in the PUSH mode.) Turn the Power OFF first, then try to roll the rear wheels.

With the motors now locked, the user can now sit down safely. Power ON the device & wait about a second for the controller to boot up. Push the joystick throttle in the direction you wish to go. If the Joystick beeps, and the lights flash on the Speed LED & Battery Level LED lights on the joystick, then note which lights flash and reference the Troubleshooting Guide on Pages 50-57 in this manual to determine the potential problem and possible solution.

Double checking to make sure the rear wheels are locked will ensure the device will not roll away if the user needs to first sit down.

### **USING THE MANUAL MODE (AS NEEDED)**

Ensure that the power is turned OFF, and flip the electromagnetic brake locks to the PUSH position. This will release the brake on each rear wheel, and you will notice with a push on the back support bar, the rear wheels can roll freely.

You can safely use the back support bar as a place to push the device. You can also attach our Push Handles accessory (see Accessories on Page 70) if you prefer a more substantial set of handles to use for pushing.

Do note, it will take a bit of extra force in the beginning to get the device rolling, but once it is rolling, it will move relatively freely, with continued momentum.

# “EZ” USAGE GUIDE

## TRANSPORT & STORAGE

### TRANSPORT

The EZ Lite Cruiser is designed to be easily transportable. It has removable motors to split the weight into 3 lighter pieces.

To lift the frame (as a whole or while disassembled), we recommend standing the device vertically, it will stay propped up on the anti-tipping wheels, or rear wheels, and the kickstand

Use the handle bar frame directly under the seat cushion as one point to grab, and one of the lower horizontal frame pieces on the backside of the frame, or any other metal parts of the frame that are in reach and comfortable for you. Always lift with two hands for an easier time lifting. Do not attempt to lift the frame by any fabric parts or plastic parts.

The battery does not need to be removed or unplugged for transport in your personal vehicle, but it can be to reduce the lifting weight.

The device along with the battery should be transported in a cool and dry place. If space is an issue and the device can not be, try to at least stored the battery in a cool and dry place. As mentioned earlier in the usage guide, storing the battery in direct sunlight or a hot or cold place, can affect the longevity of the battery, and the stored charge.

Avoid resting items on or pressing on any electronic components such as the joystick on the controller board.

### STORAGE

For long term storage, the battery should be about 30-40% charged, and stored in a cool, dry, and ventilated place. The battery is very sensitive to extreme temperature environments and pressure. Avoid high temperature or high pressure environments.

The battery needs to be charged at a minimum once every two months, otherwise it can lead to over-discharge damage.

Avoid storing the device around heat, cold, or direct sunlight, as the rubber, plastic, and fabric parts will age quicker and shorten their life.

# “EZ” USAGE GUIDE

## DUAL BATTERY SCENARIO

### OPERATING TWO BATTERIES



Two batteries, each of the same capacity, can be connected together using our Dual Battery Connector (Y-splitter cable) by connecting each battery to it, and then it to the power input cable where you would normally plug in a battery. This will combine the capacity, and draw power from both batteries during use.

Two 10 Ah batteries are shown in Figure 1 on this page, but the same can be done with Two 15 Ah batteries. You can not connect one 15 Ah battery to a 10 Ah battery, or vice versa. It will result in a short circuit and cause damage to the batteries protection circuit board.



While it is possible to charge two batteries at the same time, while remaining connected with the Dual Battery Connector cable, using the On-Board charging method, **THIS IS AN INEFFICIENT AND WASTEFUL WAY TO DO IT AND WE DO NOT RECOMMEND IT.** One battery will get charged, and then discharge itself, as it charges the other battery. **THIS WASTES CHARGE CYCLES!** It will significantly shorten the life of the battery if you do this.



We recommend charging each battery individually, either one at a time if you have just one charger, or both batteries using separate chargers. For example, if you have two batteries, use the Off-Board charging method, described on the previous page, to charge each battery individually. To charge both batteries simultaneously, connect one charger to each battery using the Off-Board charging method.

By using two chargers, one for each battery, you would be reducing the overall charging time since each battery will be recharging at the same time as the other.



# “EZ” USAGE GUIDE

## ADDITIONAL PRECAUTIONS



If the device is not fully unfolded, it can collapse when the user attempts to sit in the seat. This can cause damage to the device and also cause injury to the user. Always double and triple check to make sure the device is fully unfolded, prior to ever sitting on the seat cushion. The quickest way to check is by standing behind the device, push forward on the back support. The chair should remain unfolded.



If the front wheels are not properly positioned when folding, they may prevent the device from folding down all the way. Ensure the front wheels are flipped “inward” toward the center of the underside of the device, when it is being folded.

If the Arm Rests are RAISED up, DO NOT PUT FORCE on them.

Wires should not be pulled or tugged on, unless in a controlled manner based on the process being done:



- 1 - When Disconnecting the Battery from the Device - the latch must be raised on the device side before other (battery) side can be pulled.
- 2 - Disconnecting Charger directly from the Battery - push button must be pressed before pulling apart the XLR connection.
- 3 - Disconnecting Joystick from Controller Board - Rubber cover must be pulled back and BNC connector ring must be unscrewed.



When folding, pay attention to any loose wiring that can get caught between metal frame parts and get pinched and break. Broken wiring should be remedied immediately. Disconnect the battery from the device if any wiring is damaged.

Ensure wiring is not loose so it is not snagged and pulled on as you are passing objects during driving.



Keep the Battery and Charger away from moisture at all times. Never attempt to connect a battery that has been exposed to moisture. Never attempt to recharge the device or battery if a Charger has been exposed to moisture.

**DO NOT DRIVE UNDER THE INFLUENCE OF ANY MIND ALTERING SUBSTANCES.** Operating the device is prohibited while intoxicated and can result in serious harm or even death.

# TROUBLESHOOTING GUIDE

Use this section to help you walk through any problems you may be experiencing and possible solutions. Please note, these are just suggestions based on common issues.

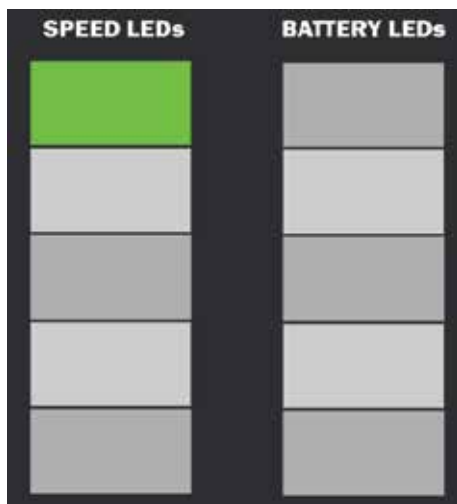
The Joystick Indicator Speed LEDs & Battery Level LEDs provide additional troubleshooting information about the potential source of the problem you're experiencing, and a possible solution. Below are possible combinations of lights on the joystick that will flash when the throttle is pushed. One LED strip represents the Speed LEDs (Left Side) and the other 5 LED strip represents the Battery Level LEDs (Right Side). Look for these on the joystick button panel and note which ones flash when you push the throttle.

## A Very Important Note About Reading these Fault Indicators:

The Illuminated LEDs (i.e. which LED lights are lit up) may vary for you, based on what your speed level and battery level are currently at.

The Important indicator is which LED is FLASHING.

We've Noted Inconsequential LEDs with a Grey Alternating Color Pattern for Clarity.



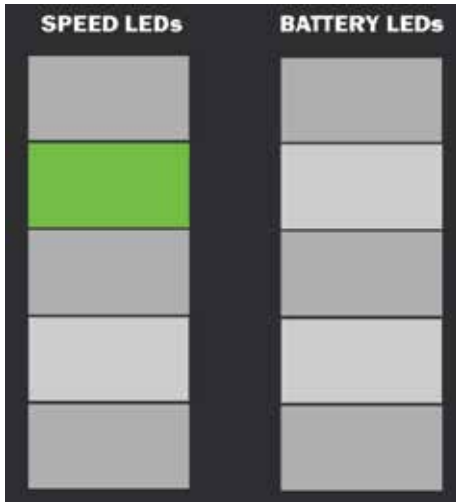
The controller is indicating that the Short Circuit Protection has been activated for the Phase Wire.  
[SHORT CIRCUIT PROTECTION]

Possible Solution:

Turn the power off. Go to the back of the device and inspect the wiring of the motors. Check for any short circuit, such as a torn or damaged portion of the wiring.

If problem persists, please contact us.

# TROUBLESHOOTING GUIDE

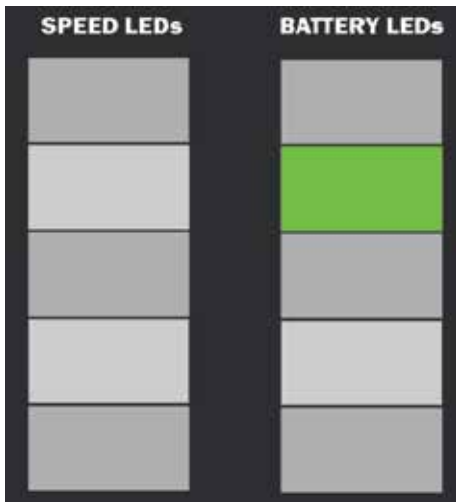


The controller is indicating that the Electromagnetic Lock on your Left Motor is Not Locked into DRIVE mode.  
[LEFT MOTOR UNLOCKED]

Possible Solution:

Turn the power off. Go to the back of the device. Examine the Electromagnetic Lock on the Left Motor to make sure it is not loose or damaged. Flip the lever to the DRIVE position to lock it. Turn the power on. Wait about a second, and push the throttle.

If problem persists, please contact us.

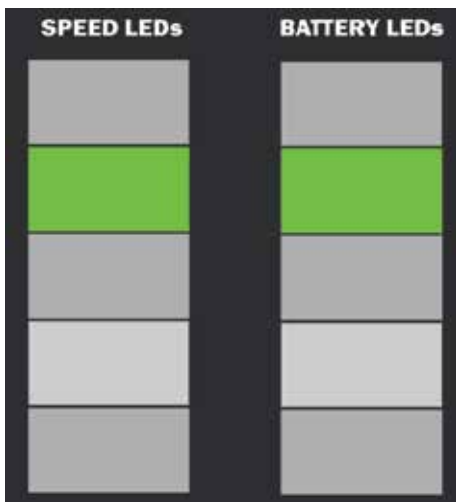


The controller is indicating that the Electromagnetic Lock on your Right Motor is Not Locked into DRIVE mode.  
[RIGHT MOTOR UNLOCKED]

Possible Solution:

Turn the power off. Go to the back of the device. Examine the Electromagnetic Lock on the Right Motor to make sure it is not loose or damaged. Flip the lever to the DRIVE position to lock it. Turn the power on. Wait about a second, and push the throttle.

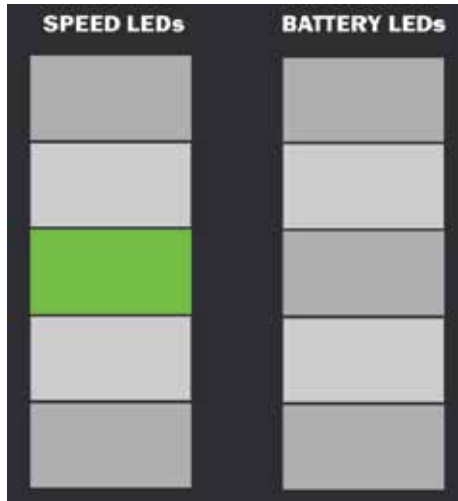
If problem persists, please contact us.



Please Note: If BOTH Motors are unlocked, the Battery LED will indicate that with 2 lights flashing.

[LEFT AND RIGHT MOTOR UNLOCKED]

# TROUBLESHOOTING GUIDE

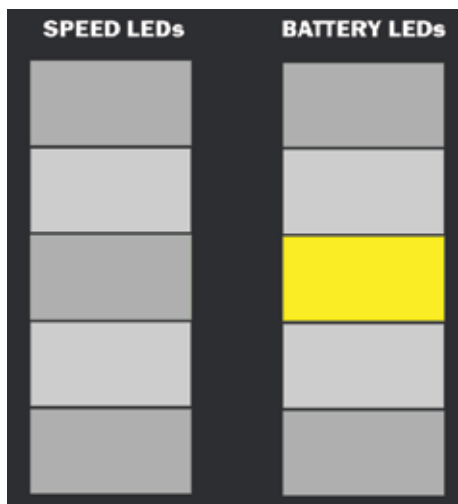


The controller is indicating that the Left Motor is not functioning, and it may be damaged.  
[LEFT MOTOR NOT FUNCTIONING]

Possible Solution:

Turn the power off. Go to the back of the device. Look for any signs of damage to the Electromagnetic Lock lever on the Left Motor, the wire being unplugged, or damaged. Typical signs are any impacts or a looseness of the lever (i.e. movement of it it no longer feels tight) or damage to the connector or wire insulation.

If there is damage or problem persists, please contact us.

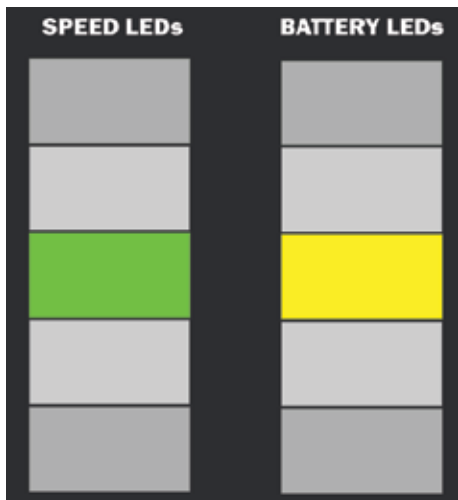


The controller is indicating that the Right Motor is not functioning, and it may be damaged.  
[RIGHT MOTOR NOT FUNCTIONING]

Possible Solution:

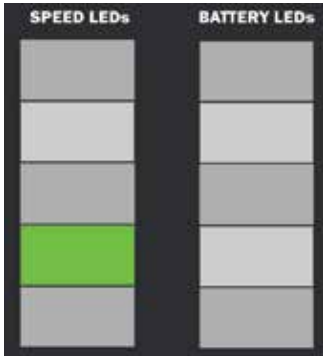
Turn the power off. Go to the back of the device. Look for any signs of damage to the Electromagnetic Lock lever on the Right Motor, the wire being unplugged, or damaged. Typical signs are any impacts or a looseness of the lever (i.e. movement of it it no longer feels tight) or damage to the connector or wire insulation.

If there is damage or problem persists, please contact us.



Please Note: While highly unlikely, it is possible that both motors may have a fault and are not functioning. If doing the above steps for both motors does not resume normal function, please contact us.  
[LEFT AND RIGHT MOTOR NOT FUNCTIONING]

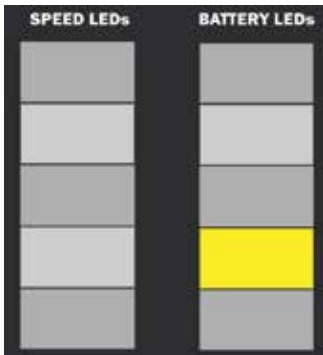
# TROUBLESHOOTING GUIDE



The supplied voltage to the Controller Board is too high.  
[DRIVER FAULT]

Possible Solution:

Please take more precaution when driving.

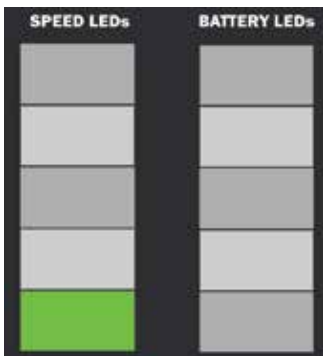


The supplied voltage to the Controller Board is too high.  
[OVER VOLTAGE PROTECTION]

Possible Solution:

Use only a 24 V DC battery or power source.

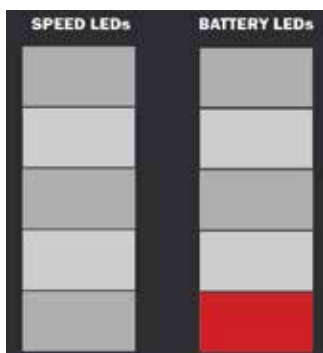
This error will generally always require a replacement of either the Battery (most common), or possibly the Charger (less common) to ones that meet the controller board specifications.



Communication problem with the UART (Universal Asynchronous Receiver-Transmitter)  
[UART FAULT]

Possible Solution:

Inspect the wiring from the joystick to the controller board. Reconnect any connections that are unplugged, or Replace the wiring if it is damaged.



The Joystick is not functioning properly.  
[JOYSTICK FAULT]

Possible Solution:

Replace the Joystick.

# TROUBLESHOOTING GUIDE

If your problem is beyond the diagnostic codes presented on the Joystick LEDs lights.

**PROBLEM:** The power won't turn on.

**POSSIBLE SOLUTIONS:**

- a) Check to see that the Battery is properly connected (most common.)
- b) Check to see that the Joystick properly connected (very common.)
- c) Ensure you are pushing the Power On button on the Joystick (common enough to note.)
- d) Try Recharging the Battery (common enough to note.)

**PROBLEM:** The device loses power immediately after the Joystick Throttle is Pushed.

**POSSIBLE SOLUTIONS:**

- a) Check for tears or breaks in the Joystick wiring (most common.)
- b) Check for short circuits at the Controller Board (not as common, but possible.)
- c) If connections are secure, there may be a battery component failure (not very uncommon.)  
Replace or Repair the Battery. Please contact us.

**PROBLEM:** The LED lights on the charger do not come on when I plug it into the wall.

**POSSIBLE SOLUTIONS:**

- a) Check to see that the removable wire of the charger (wall socket plug) is firmly inserted into the Charger, as well as the power source such as the wall outlet, power strip, extension cord, etc. (most common.)
- b) Ensure that the outlet is providing electricity (not very common.)
- c) Replace the Charger (not very common) .

**PROBLEM:** The Charger LED lights always indicate Charging is Completed.

**POSSIBLE SOLUTIONS:**

- a) Ensure that the battery is either (i) plugged into the device and the charger XLR plug is securely fastened to the Joystick I/O port; or (ii) plugged into the charger XLR plug directly as with off-board charging (most common.)
- b) If connections are secure, there may be a battery failure (very uncommon.) Replace or Repair the Battery. Please contact us.

**PROBLEM:** The charging time is shortened.

**POSSIBLE SOLUTIONS:**

- a) Replace the battery because its ability to hold a charge has decreased.

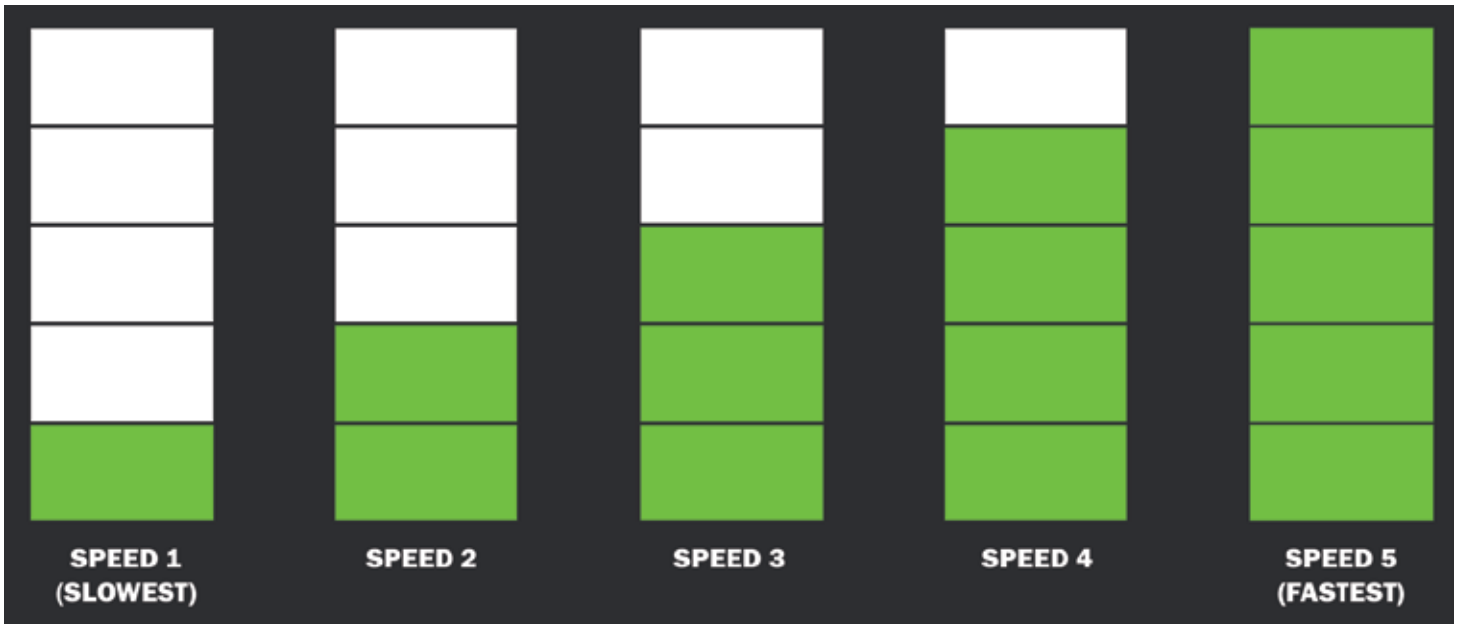
**PROBLEM:** The driving distance is reduced/shortened

**POSSIBLE SOLUTIONS:**

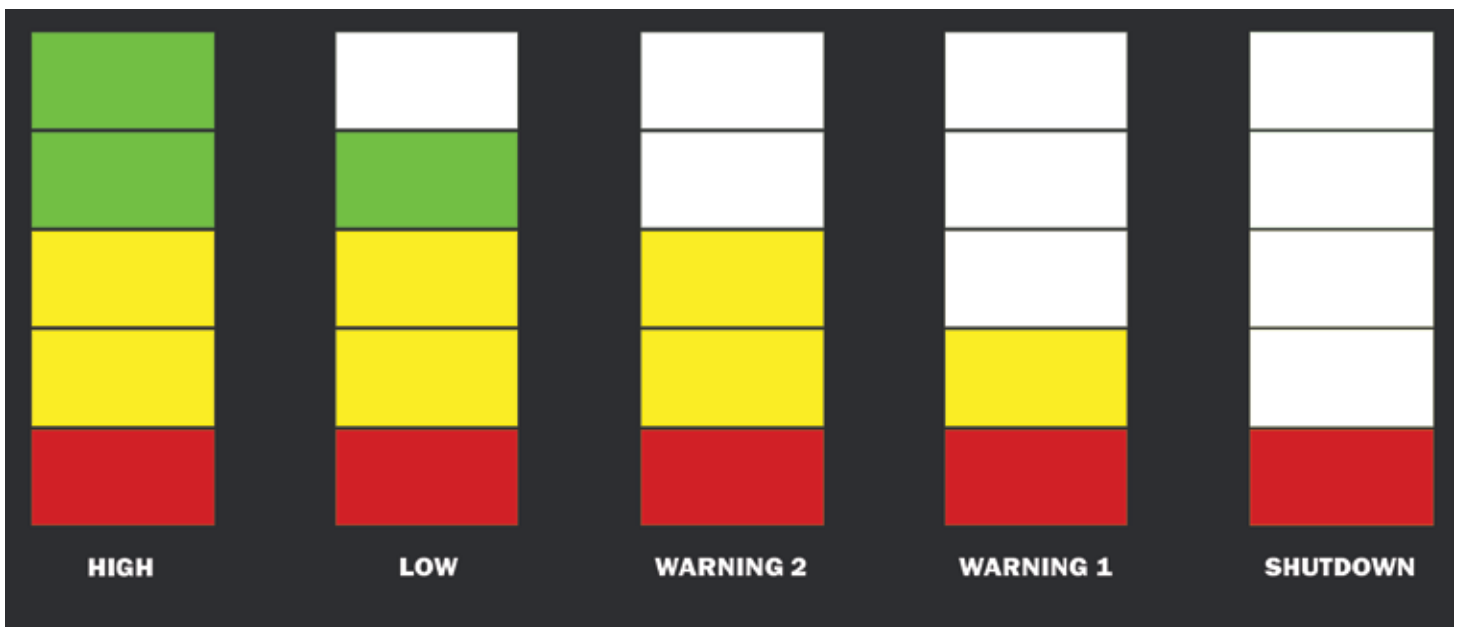
- a) Avoid driving inclines / hills often.
- b) Do not store the battery at cold temperatures.
- c) Power consumption by the Motors could be increased on uneven pavement, bumps, slopes.

# TROUBLESHOOTING GUIDE

## UNDERSTANDING THE JOYSTICK LED LIGHTS



On the Left Side of the Joystick Panel, you will see a strip of LED lights, split into 5. You can set the speed using the (+) and (-) buttons, which will be represented as above.



On the Right Side of the Joystick Panel, you will see a strip of LED lights, split into 5 multi-colors, as shown above. As your battery charge gets weaker, lights will turn off.

If your problem is still not resolved after diagnosing using these troubleshooting tips and information, please feel free to contact our Technical Support team for assistance:

By Email to [support@ezlitecruiser.com](mailto:support@ezlitecruiser.com)

By Text Message (SMS) at (760) 514-4801

By Phone at (888) 544-6054, or +1 (310) 295-4422 for local & international callers

# SERVICE & MAINTENANCE

As with any motorized vehicle, you will need to perform periodic service and maintenance to keep it running smoothly and securely. Use the Component Guide on Page 4-5 to identify the components mentioned here.

## FRONT WHEELS



Periodically, about every 6-12 months but ultimately based on your usage, check the condition of the front wheels & bearings.

1) Check for Dirt or Debris build up in the Front Wheel Fork at the axle (wheel center). Unbolt the front wheel and, for each wheel, perform a visual inspection of the bearing. If there is dirt or debris build up on the bearing, use a damp paper towel to remove it. If it is not possible to clean the bearings, they should be replaced.



2) Check for the condition of the front wheel treads. When new, there are visible treads to the front wheels. Over time, they will wear down to a smooth surface. If the front wheel tread area has worn down and is beginning to show signs of cracking, replace the front wheels with new ones.

## FRONT WHEEL FORKS

Periodically, about every 6-12 months but ultimately based on your usage, check for the condition of the front wheels forks and the adjoining frame pieces, since they take a lot of impact.

1) Ensure they are free of any dirt or debris build up. Use a damp paper towel to remove any that you see. If you perform front wheel service, also clean the build up on the “inside upper” portion of the front wheel fork (above the wheel.)

2) Ensure they do not tilt on the vertical axes. They should remain virtually completely still. If there is any movement of them to any direction beyond a perfectly horizontal position, do not use the device and replace the front wheel forks or bearings.



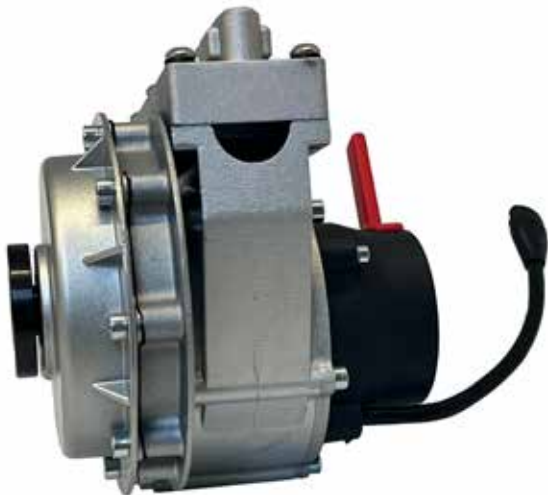


# SERVICE & MAINTENANCE

## REAR WHEELS

Periodically, about every 6-12 months but ultimately based on your usage, check for the condition of the rear wheels.

- 1) Look at the tread lines and if they are beginning to flatten out, or disappear, or if the wheel is beginning to show cracking in the center, replace the rear wheels.
- 2) Look for any damage to the wheel (rim) and if there is any sign of breaks, replace the rear wheel.



## MOTORS

Anytime you replace the rear wheels, or if you drive for significant amounts of distance, and if you notice the motor is running sluggish, you should take steps to clean out the motor spindle that the rear wheel attaches to. Around the back side of the spindle, between it and the motor shell, you may notice hair and debris build up. Use a long flat blade, such as a box cutter, to cut out any hair or debris, and remove it using your fingers or needle nose pliers.

## ANTI-TILT WHEELS RECEPTACLE

Periodically, about every 6-12 months, but ultimately based on your usage, check the condition of the anti-tilt wheels and the receptacles.

- 1) Ensure that the anti-tilt wheels are not loose on their fittings. Tighten the bolt in the center of the anti-tilt wheels, if and when necessary.
- 2) Ensure that the anti-tilt wheel receptacle is firmly fastened to the side rail of the frame with all 4 screws securely tightened.



# SERVICE & MAINTENANCE

## ARM REST PADS

Depending on how the device is stored, used, and how the user applies force to the arm rest pads (such as during sitting & standing), or from accidental damage by bumping into objects, the arm rest pads can get worn down and may need to be replaced.



## SEAT CUSHION

Depending on how the device is stored, cared for, and the duration of which the user sits in the seat, it can become flattened down, the cover can be torn, it can become soiled, etc., and therefore should be cleaned or replaced. Simply lift it up off of the velcro it attaches to and unzip and remove the cover. A vacuum cleaner or sticky fabric rollers can be used for debris & hair.



## SEAT SUPPORT STRAPS

Depending on how the device is stored, cared for, and the duration of which the user sits in the seat, the straps may begin to sag and could use a re-adjustment or replacement. A vacuum cleaner or sticky fabric rollers can be used for debris & hair built up on the straps, underneath & behind the seat cushion.



## BATTERY STORAGE COMPARTMENT

Depending on how the device is stored, cared for, and the environment it is used in, dust can build up on or inside the battery storage compartment. Use a vacuum cleaner or damp towel or rag to clean it. Replace if it becomes torn and losing its ability to safely store the battery.



# SERVICE & MAINTENANCE

## FOOT REST PLATE & BRACKETS

Depending on how the foot rest is used, and how the user applies force to it or the brackets (such as during sitting & standing), or from accidental damage, the foot rest can be replaced. If the foot rest is loose or wobbly, you may need to replace the bushings and tighten these barrel bolts (with two 4mm hex wrenches.)

The Foot Rest should not be used as a step stool or to push off of when scooting into the seating area. This can cause premature and excessive wear to the welds of these parts, and shorten their life expectancy.

If one bracket breaks, we recommend replacing both, as the surviving piece likely has also been weakened.



## RECLINE MECHANISM PLATES

Periodically, about every 6-12 months, but ultimately based on your usage, check the angle bracket recline mechanism plates that control the tilting of the back support.

*Note: Over time, the lubricant on these plates may need to be reapplied. Use clear silicone gel grease, not WD-40.*

## PLASTIC COVERS

There are various plastic covers on the device, generally for aesthetic purposes. Due to the nature of this device, being transportable, it is not uncommon that these get damaged during transit. They can be replaced as needed to upkeep the original look of the device when it is new, but are generally not functional components.



# SERVICE & MAINTENANCE

## JOYSTICK BUTTON PAD

The buttons on the Joystick are a peelable pad that can be replaced. Over time & with heavy usage of pressing buttons, they may become worn or damaged. It can be peeled off, and a new one can be affixed once the area is cleaned, to allow for the best hold of the adhesive.



## JOYSTICK THROTTLE TOP



The top of the Joystick Throttle is a removable plastic top. If the user is more comfortable with a larger profile throttle top, it can be removed (simply lift it up) and replaced with one of the users preference. The diameter of the fitting is 1/4."

## JOYSTICK BOOT

The Joystick Boot allows for movement of the Throttle while preventing dirt and debris from entering into the Joystick. Over time it can become frayed, worn or damaged. This can be replaced if and when it is needed.



## JOYSTICK WIRING

There proper function of the Joystick ultimately boils down to the wiring being free from kinks or damage. If damaged, it can also cause short or open circuits.

1) Periodically, ensure the joystick wiring is intact and not damaged throughout.

2) Ensure that the connection points (at the quick-disconnect portion of the cable and at the battery plug end) are not damaged.



# SERVICE & MAINTENANCE



## LITHIUM BATTERY - 10 AH OR 15 AH CAPACITY - 24 V DC

When the battery is new, it provides its peak or near peak voltage for a long period of time, ensuring your device runs well, can drive fast and be powerful enough to traverse your day to day terrains. As the battery ages, it will still reach its peak voltage, however, the voltage will drop quicker and quicker. This is what is considered the “charge” of the battery -- how long the battery can sustain a high voltage. As the voltage drops, and nears or goes below 24 V DC, it will indicate a low battery or not power on the device.

Periodically, you should gauge your battery capacity, or its ability to hold a strong charge.

- 1 - Charge the battery to its full capacity.
- 2 - See how long the charge lasts you in an “average” day of usage and record the findings in a table.
- 4 - Some time later, in a few weeks or a months time, repeat the process and see how long the charge lasts you with similar usage. Record the findings again.
- 6 - When you’ve compiled a fair amount of data, over a long period of time (6 months to a year), you may find that the battery is not holding the charge as well. Over a period of 2-3 years, with good usage and proper care for the battery, you may notice the driving distance is reduced. It is normal for the battery to age and not hold a charge as well as it did when it is new. Replace it as needed.

A red & black cable is provided to allow use of a third party 24 V DC battery into the device for usage in case of emergencies.



# **SERVICE & MAINTENANCE**

## **CLEANING**

While we briefly touched on it in the usage guide, proper cleaning of the device can help ensure it is functioning at its best. Here is a run down of the things that can be cleaned, and how, on the device:

- 1 - Foot Rest Plate can be cleaned with a degreaser (Formula 409 or equivalent)
- 2 - Arm Rest Pads can be cleaned with warm water or a degreaser.
- 3 - Any metal part of the frame can be cleaned with warm water or a degreaser.
- 4 - Seat cushion and Back cushion vacuumed to remove hair or debris, and can they can also be washed in a gentle cycle and air dried.
- 5 - Seat support straps can build up debris / crumbs over time and could be vacuumed.
- 6 - Battery storage compartment can be vacuumed to remove any debris, and the top of it can be wiped with warm water to remove dust.
- 7 - The front and rear wheels can be cleaned with a degreaser or alcohol. A scrub brush can be used to assist in a deeper cleaning.

## **LUBRICATING**

While we briefly touched on it in the usage guide, proper lubrication of certain components after prolonged use can be helpful to restore the natural function of the device. Here is a run down of the things that can be lubricated:

- 1 - The bushings of the foot rest plate and adjoining connecting frame brackets, at pivot points. Do this in combination with replacing the bushings themselves.
- 2 - The recline mechanism plates to ensure the seat back reclines smoothly and easily. Over time, dust and dirt can build up in there any may need to be cleaned. Cleaning it will remove the lubricant and it may need to be replaced.
- 3 - The sliders that run along the side rails of the frame are lubricated to allow for easier movement for folding and unfolding. Cleaning it will remove the lubricant and it may need to be replaced.
- 4 - The quick release motor plates have lubricant and may need to be reapplied over time.

# SERVICE & MAINTENANCE

## INSTRUCTIONAL VIDEOS AVAILABLE ONLINE

We have a wide range of videos available on our website to help you with the service & maintenance of your EZ Lite Cruiser.

Scan the QR code on the right using your Smart Phone or Tablet Camera to visit the **Help Cener for your EZ Lite Cruiser Deluxe Model.**



**Need Parts?** Scan the QR code on the left using your Smart Phone or Tablet Camera to visit our Get Parts webpage to get replacement parts for your EZ Lite Cruiser Deluxe Model.

**Need Nuts & Bolts?** Scan the QR code on the right using your Smart Phone or Tablet Camera to visit the Hardware Guide to identify the Nuts & Bolts for your EZ Lite Cruiser Deluxe Model.



## THIRD PARTY RESOURCES AVAILABLE

If you know of a shop, technician or handyman that services other power chairs you may already own, you can seek their assistance in performing any repair, service & maintenance of your EZ Lite Cruiser.

If you do not, please contact us and we'll be happy to help you locate a third party in your area to help you keep your EZ Lite Cruiser looking and running like new.

If you have any questions about service & maintenance of the device, please feel free to contact our Technical Support team for assistance:

By Email to [support@ezlitecruiser.com](mailto:support@ezlitecruiser.com)

By Text Message (SMS) at (760) 514-4801

By Phone at (888) 544-6054, or +1 (310) 295-4422 for local & international callers

# WARRANTY

Enjoy piece of mind with our industry leading warranty:

10 Years on the Metal Parts of the Frame

5 Years on each of the two Motors

2 Years on the Battery

2 Years on the Joystick

2 Years on the Control Board (CPU),

3 Months on any Wearable Parts:

The warranty on the wearable parts includes, but is not limited to, all things that touch the user including fabric parts such as the seat cushion & back cushion and their supporting straps, the arm rest pads, the joystick button pad, thumb screws and knobs, and anything that touches the ground such as front and rear wheels. Plastic decorative parts are not covered under any warranty. The battery charger is included in the wearable parts as a 3 months warranty.

The warranty DOES NOT cover any labor costs.

Any service and labor fees, if applicable, to replace parts under warranty must be paid by the user. Due to it's modular design, most parts can be easily exchanged by the end user, a family member, relative or friend. However, it is always recommended you seek professional help for maintenance and service, to make sure the work is done properly.

The warranty only covers NON-DELIBERATE OR NON-ACCIDENTAL Damage.

Damaged caused by user negligence, accidental damages, intentional or not are not covered under the warranty. Products which have been subjected to negligence, abuse, improper storage, or handling, improper operation, any modifications, misuse are not covered by the warranty. Any damaged caused by improper usage, or normal wear and tear is not covered, and you should not use the Warranty Claim Form on our website if you believe a part should be covered under the warranty. We may ask for further evidence in the form of photos, videos, other documentation, in order to be able to effectively process warranty claims.

Read the full warranty at <http://www.ezlitecruiser.com/warranty>

If you purchased the device directly from EZ Lite Cruiser, you are registered in our database for warranty. If you purchased the device second-hand from a previous owner, a distributor, or elsewhere, please Contact Us to register your device. Provide the LOT NUMBER or SERIAL NUMBER of the device when registering, along with your personal information.





# ACCESSORIES



## Travel Bag

Cover your device for air travel with this handy protective Travel Bag. Surrounds your EZ Lite Cruiser and protects it from scratches and the elements. Not necessary when traveling by car, but great for protection during air travel.



## Cup Holder

Take your favorite beverage with you wherever you go with this easy to use Cup Holder. Holds most common size water bottles, coffee mugs & hot or cold beverages alike. Mounts easily and keeps your beverage handy. Use with beverages with lids.



## Basket

When you need to carry some extra items with you, place them in this quickly removable carrying Basket. Perfectly paired for use when shopping. Store items in the basket, unload at the counter & reload your grocery bag. Works like a charm.



## Side Arm Pouch

A convenient and perfectly fitted holster on the arm rests, this Side Arm Pouch allows you to store your personal effects such as wallet, keys, cell phone and other valuables, right within your reach. A must have for every user.



## Headrest (Premium)

Made specifically for those requiring additional support in the head and neck. Our Premium Headrest is adjustable in many ways for height, depth and tilt. Easy to quickly remove with a simple thumb screw. Works on any model.



## Headrest (Basic)

A simplified headrest for those who would like to have some added support when they need it. This headrest mounts semi-permanently and stays on the device when it folds down. This headrest is only compatible with the Deluxe Models.

# ACCESSORIES



## Caregiver Mount

With this handy bracket, you can mount the joystick in the rear of your EZ Lite Cruiser, so that a caregiver can operate the device on behalf of the person sitting in it. A great addition for those who are unable to operate the Joystick themselves.



## Back Pack

A basic necessity for us all during travel, this Back Pack lets you store your battery, charger, accessories and other personal effects when transporting the device. Various styles available for your personal preference. See them online.



## Elevating Leg Rests

For users needing to elevate their legs during use of the device, these Adjustable Elevating Leg Rests make for a great addition. Easy to install mounting brackets are provided and stay attached to the device. These leg rests are easily removable.



## Regular Charger

This basic charger is included with the purchase of a new machine. If you need or want to have a spare, they are available for purchase. If you buy a second battery, we recommend having a second charger. Works in all countries up to 240 V input.



## Car Charger

Charge your battery in your car using the 12 V DC port using this Car Charger. Works in any vehicle that has a cigarette lighter port. Up-converts 12 V DC to 24 V DC to charge your battery as you go from place to place. Very handy!



## Speedy Charger

Now you can charge your battery in half the time with our 5 Amp Speedy Charger. Great addition for any user that heavily relies on their EZ Lite Cruiser. Works in voltages from 100 - 240 V AC input at 50/60 Hz. Automatically converts.

# ACCESSORIES



## Dual USB Charger

Charge up to two USB devices right from your EZ Lite Cruiser battery source. Connects to the Joystick port or directly to the battery. Please note, using the battery of your device to charge USB devices will shorten your driving distance.



## Travel Adapter

Use this handy Travel Adapter to change the shape of the plug of your charger to fit into the outlet in any foreign country that uses different wall socket configurations. No need to change voltage, the battery charger provided does that automatically.



## Umbrella Holder

Easily mount a sunshade or umbrella with this very adjustable Umbrella Holder. One side attaches to the frame of the device and can be adjusted outward, upwards, downwards or to the side. Gripping clamp easily tightens with a thumb screw.



## Push Handles

These push handles help give you leverage when you need it, in situations where you need to tilt the device over a large obstacle. They also allow you to more easily push the device in the manual mode, instead of using just the frame to push it.



## Safety Flag

Lets face it, people are not mindful of their surroundings at sometimes & when in a powered mobility aid you want to be seen. This bright orange flag will help keep you safe by letting folks know 'hey watch out, here i come' when you cruise by.



## Oxygen Tank Bag

Our custom made oxygen tank bag is designed for larger sized cylinders of oxygen that can be brought with you while you ride around in the EZ Lite Cruiser. Smaller tanks may be better suited in our simple Back Pack accessory.

# ACCESSORIES



## Joystick Programmer

The Programming Kit that plugs into your joystick allows you to alter certain settings of the controller system (CPU) that controls the motor movements and how the chair performs. Alter the top speed, acceleration, left & right turning & more.



## 10 Ah Battery

Our 10 Ah capacity battery is airline friendly and will get you up to 10 miles of driving on smooth, flat surfaces. A battery of your choice in size is provided when you buy a new EZ Lite Cruiser, & you can add a spare for more driving distance.



## 15 Ah Battery

Our 15 Ah capacity battery is not airline friendly but will get you up to 15 miles of driving on smooth, flat surfaces. A battery of your choice in size is provided when you buy a new EZ Lite Cruiser, & you can add a spare for more driving distance.



## Dual Battery Wire

This Y splitter Dual Battery Connector cable allows you to connect two batteries together for double the driving distance! A must have for users who drive a significant amount of distance per day. Note, you can only connect two batteries of the same capacity.



## Cane Holder

A simple but convenient way to mount your cane or walking stick to the EZ Lite Cruiser. It's a double sided rubber fastener that goes around the frame of the device on one side, and your cane or walking stick on the other.



## Folding Cane

This is a foldable cane that fits in a small enough size for many of the compartments of your EZ Lite Cruiser, or accessories. Handle end has a flashlight for convenience. Tip end has 3 pivoting tips for added support. Supports up to 250 lbs users.

# ACCESSORIES



## Grabz-All Tool

This gizmo is a grabbing tool that clenches anything within its reach with the push of a handle. Grabber end has a rubberized inside lining for a better hold of slippery items up to 4.5" wide. Handle end is easy to use & can reach up to 32" away.



## Foot Rest Extender (Standard Model)

The Standard Model has a very compact size but may be what you need for your needs. For some users, this Foot Rest Extender can help keep their feet at a more comfortable position. Works only on the Standard Model.



## Extender Kit (Deluxe Models)

This Foot Rest Extender Kit works on the Deluxe models. When customizing a new machine, you are given the option to install this at the factory. If you did not purchase it then, it can be added on later. A must have for taller users.



## Premium Seat Belt (Deluxe Models)

This Premium Seat Belt Kit is made for our Deluxe Models and is fastened to the frame of the device for added support. Can be added to any Deluxe Model at any time. Sorry, this can not be used on the Standard Model.



## Clamp

This handy Clamp can be used to attach many objects to your EZ Lite Cruiser. It's simple and adjustable claw grips items such as canes, walking sticks, forearm crutches, flashlights, camera tripod, and more.



## Flashlight

Drive in poorly lit areas with this Flashlight. Has multiple modes: Solid light mode, Strobe mode, S.O.S. / Panic mode. Additionally, the Flashlight is extendable in length which allows for a focused beam of light. Paired best with our Clamp.

# ACCESSORIES



## Widening Kit (Deluxe Models)

This kit can change the Deluxe Regular models into a Deluxe Wide. Gives you an added 2"+ between the arm rests. Simple to install and can be removed at any time for the users needs. Works only on the Deluxe Regular, even Slim Models.



## Rain Poncho

This convenient and light weight cover prevents you the rider, as well as the fabric materials of the EZ Lite Cruiser and the onboard electronics, from getting wet. Very handy for users who live in areas where rainfall is more expected.



## Joystick Cover

Another convenient cover this time for the Joystick, to protect it from rain damage. Works great in combination with our poncho to keep the rider and electronics covered, while allowing you to see the joystick for better accuracy.



## Height Adjusting Kit (Deluxe Models)

This height adjusting kit for the foot rest plate allows for shorter and/or taller users to get a better placement of their feet. Can add an additional one inch for taller users, and if cut down, can make it so shorter users get a comfortable fit.



## Foldable Portable Lift

A truly unique invention and complement to your device is our foldable and portable lift. It weighs only 36 lbs but can lift up double it's weight! Lifts any EZ Lite Cruiser model up to 70 lbs. Easily breaks down and stores with your device.



Scan the QR Code Above using Your Smart Phone or Tablet Camera to Shop for Accessories.



**Lite Cruiser**  
Personal Mobility Aid

Enjoy an “EZ” Life With Your EZ Lite!



**VISIT OUR WEBSITE: [WWW.EZLITECRUISER.COM](http://WWW.EZLITECRUISER.COM)**

**CALL US: (888) 544-6054**

**EMAIL US: [SUPPORT@EZLITECRUISER.COM](mailto:SUPPORT@EZLITECRUISER.COM)**

**TEXT (SMS) US: (760) 514-4801**

**MAIL US OR VISIT US:**  
9225 ALABAMA AVE, UNIT C, CHATSWORTH, CA 91311