

# Model 760/765

## Power Chair Owners Manual

CE

**ULTRALITE**<sup>TM</sup>  
**VEHICLES**



Model 765 pictured

**Electric Mobility Euro Ltd.**  
**Canal Way, Ilminster**  
**Somerset TA19 9DL**  
**Tel: 01460 258100**

*Thank you for purchasing your UltraLite™ Vehicle. With proper care, your vehicle will give you loads of fun and excitement. You will enjoy the freedom to go where you want, when you want, and to do what you want to do.*

*UltraLite™ Vehicles' mission is to provide easy to use, convenient and portable mobility products to help you get more out of your life.*

*UltraLite™ Vehicles is a new division of Electric Mobility Corporation (EMC). Twenty years ago, EMC introduced the revolutionary Rascal Scooter which changed the mobility industry because it was more lightweight, portable, and versatile than conventional electric wheelchairs. Today, the Rascal is recognized as the world leader in mobility vehicles.*

*Our new UltraLite™ is another revolutionary vehicle that is destined to change the way people get around like the Rascal did in 1983. Lightweight, portable and powerful, this new electric convenience vehicle is so easy to use; it just folds to go wherever you want it to go!*

*Please tell your friends about your wonderful new mobility vehicle. For free literature on your UltraLite™ Vehicle to give out to your family or friends, just call **01460 258100**.*

*Your satisfaction means everything to us. Information on our service and warranties are spelled out throughout this manual. Please call us at 01460 258100 if you have any questions.*

Sincerely,  
*Michael Flowers*  
President

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## Safety Information

Read and understand these warnings and the entire manual before using your Power Chair.

### Read Carefully

1. **DO NOT** exceed the specifications of this unit, modify this unit in anyway, or use the unit for a purpose other than a powered wheelchair.
2. **DO NOT** operate this unit if your health or medications you are taking cause you to feel dizzy, affect your vision, or in any way impact your thought process, coordination, or ability to safely operate the unit. Check with your physician should you experience any of these symptoms.
3. **DO NOT** operate this unit after consuming any alcoholic beverages.
4. **DO NOT** transfer “on” or “off” the unit until it is turned “OFF”, completely stopped, and when it is on a stable and level surface.
5. **DO NOT** attempt to ride over kerbs or other obstructions higher than 2 inches.
6. **DO NOT** stop when going up an incline. If you must do so, always lean forward to shift the center of gravity and prevent the unit from tipping over backwards.
7. **DO NOT** attempt to climb inclines that pose a concern for stability.
8. **DO NOT** drive across an incline or attempt to turn while on an incline.
9. **DO NOT** back down an incline or allow the unit to be backed down an incline.
10. **DO NOT** turn off the power while the unit is moving.

11. **ALWAYS** remember vehicle capacity is limited to one person only. This unit is not approved for towing or for weights in excess of the published maximum.
12. **ALWAYS** drive straight up and down inclines.
13. **ALWAYS** turn the power off when the unit is not in use. This will not only extend the life of the charge in the battery but will keep the unit from being accidentally moved. Turn battery power switch off if leaving the unit unused for a significant amount of time.
14. **ALWAYS** use a grounded receptacle. Use of a non-grounded receptacle could result in an electrical shock.
15. **ALWAYS** reduce speed when making a turn.
16. **ALWAYS** keep arms and legs within the confines of the unit.
17. **USE EXTRA CAUTION** when climbing inclines (ramps, hills, driveways, etc.).
18. **USE CAUTION** when braking on an incline or on wet and/or slippery surfaces as the unit will take longer to come to a complete stop.
19. **USE CAUTION** when operating the unit in bad weather or driving through water as moisture could affect the control system or other parts of the unit either temporarily or permanently.
20. **OPERATOR MUST REMAIN** seated when the unit is moving.
21. **NEVER** hose off your Power Chair or allow it to come in direct contact with water.
22. **NEVER** use your Power Chair in a shower or steam room.
23. **NEVER** charge batteries that may be frozen.

## Important Information Regarding Electromagnetic Interference (EMI)

It is very important that you read this information regarding the possible effects of electromagnetic interference (EMI) on your Power Chair.

Electromagnetic interference (EMI) refers to the effects that outside sources of electromagnetic energy (radio and television broadcasts, CB radios, garage door openers, cellular telephones, etc.) might have on the control systems of your Power Chair. The interference from these sources could cause the Power Chair to release its brakes, move by itself, or to move in an unintended direction. EMI could also result in permanent damage to the control system.

The sources of electromagnetic energy can be broadly classified into three types:

- **Hand held short-range portable transceivers.** These are transmitter/receivers with the antenna mounted directly on the unit. Examples include: citizen band (CB) radios, “walkie-talkies”, security, fire and police transceivers, cellular telephones, and devices that transmit signals even when not in use.
- **Medium range mobile transceivers.** These usually have the antenna mounted outside of a vehicle or building. Examples include police, fire, ambulance and taxi transceivers.
- **Long range transmitters and receivers.** These usually have the antenna mounted on a tower. Examples include commercial radio and television broadcasts and amateur (HAM) radios.



Other types of hand-held devices like cordless phones, laptop computers, AM/FM radios, and small appliances like hair dryers or electric shavers may also generate electromagnetic energy, but it is such a small amount that, as far as we know, no EMI problems should occur with these devices.

The intensity of interference from electromagnetic energy is measured in volts per meter (v/m), which refers to the strength of the electrical source (voltage) as it relates to the distance away from the object being considered (in meters). Resistance of a Power Chair to a certain EMI intensity is commonly called its "immunity level". 20 volts/meter is a generally achievable and useful immunity level against interference from radio wave sources (the higher the immunity level, the greater the protection).

Your Power Chair has been tested and found to meet the required immunity level for electromagnetic interference (20 v/m).

### **WARNING!**

**Even with an immunity level of 20 volts/meter, certain precautions must be followed to ensure that your Power Chair will not be affected by outside electromagnetic sources:**

- Do not operate hand-held transceivers such as citizen band (CB) radios or turn on powered communication devices such as cellular phones while the Power Chair is turned on.
- Be aware of nearby transmitters, such as radio and television stations, and avoid coming close to them.

- If an unintended movement should occur while operating the Power Chair, turn the Power Chair “off” as soon as it is safe to do so.
- Be aware that if you do operate any electrically powered accessories, radios, cellular phones, or other devices, that your Power Chair may become more susceptible to interference from outside electromagnetic sources.
- Report all incidents of unintended movement or unexpected brake releases to Electric Mobility’s Customer Service Department on 01460258120

## Getting to know your Power Chair

Welcome to the world of freedom and independence. In this section, we will acquaint you with the many features of your UltraLite Power Chair and how they work. Upon receipt of your Power Chair, inspect for any damage. Major components of your Power Chair are shown in Figure I. You should familiarize yourself with these components before using your Power Chair.



Figure I — Components

## Controls

The Joystick Assembly mounted on the armrest provides all major operating controls and displays for the Model 760/765. Controls are shown in Figure 2 and described in the following.

### Battery Level Indicator

Indicates the charge level of your batteries. The three green lamps, when lit, indicate fully charged batteries, four amber lamps indicate a caution level and three red lamps indicate the batteries must be charged as soon as possible.

The Battery Level Indicator lamps are also used as a Diagnostic Indicator when troubleshooting problems with the vehicle (see “*Troubleshooting*” on page 34).

### Speed Indicator

Indicates selected maximum speed of the Power Chair, as selected by the Speed Increase/Decrease controls (see following). Faster speeds are indicated by the number of lamps lit (total, 5).



Figure 2 — Joystick Assembly

## **On/Off Switch**

The on/off switch is located on top of the Joystick Assembly in front of the joystick. Pressing the switch turns the Power Chair on and pressing it again turns the Power Chair off. The battery level indicator lamps will light up when the Power Chair is "On."

The On/Off switch is also used to "lock" the Power Chair to prevent unauthorized use (see "*Locking and Unlocking*" on page 24).

## **Horn**

Pressing the horn button sounds the Horn. Releasing the Horn button deactivates the horn. The Horn is useful to warn people or animals that you are coming towards them. You may also find it helpful to use it when rounding blind corners or going in reverse.

## **Speed Increase/Decrease**

Selects the desired maximum speed of the vehicle. Settings are shown on the Speed Indicator (see previous page).

## **Charger Connection**

The Joystick Assembly includes an extra Charger Connection receptacle located on the underside of the unit. This connection can be used as an alternative charger connection if connecting to the Battery Pack is inconvenient.

## Joystick Operation

Use the following to learn how to control your Power Chair from the joystick of the controls.

### **Going Forward/Backward**

Pushing the joystick forward will move the Power Chair forward and pushing it backward will move it backward. Release all pressure on the joystick to bring the unit to a complete stop. Find a level open area with no obstructions and try moving the unit forward and backward only. See how the unit stops when you release the joystick.

### **Turning Left/Right**

Pushing the joystick to the right will pivot the unit around to the right, while pushing the joystick to the left pivots the unit around to the left. Try turning to the right and left and see how the unit comes to a complete stop when you release the joystick. Moving the joystick in a combined way (forward or backward and right or left) will move the unit in that combined direction.

### **Braking**

Whenever the joystick is moved from the neutral (centre) position, the electromagnetic brake will automatically release and allow the Power Chair to move. When the joystick is returned to the neutral position, the Power Chair will decelerate and come to a complete stop. If your Power Chair ever moves in an unexpected manner, immediately release the joystick, once it is safe to do so.

## **Initial Setup**

Prior to using your Power Chair, use the following to initially setup the vehicle for proper use and safe, comfortable operation. Initial setup involves installing the seat and Battery Pack. If the vehicle is delivered with the seat and Battery Pack installed, you can skip this section and proceed with how to charge the battery before riding.

### **Installing Seat and Battery Pack**

The Model 760/765 includes a removable seat and detachable Battery Pack that may require installation when you first receive it. Use the following to install the seat and Battery Pack.

## Seat Installation

The seat is mounted on a folding, tubular frame that attaches directly to the chassis of the vehicle. A Quick-Release latch at the bottom rear of the vehicle frame secures the frame in place. To install the seat:

- Tilt the seat frame forward into the two front locations on the frame of the vehicle
- Lower the rear end of the seat frame into the rear locations in the chassis
- Make sure the Seat Latch springs into locked position

Seat installation is shown in Figure 3.

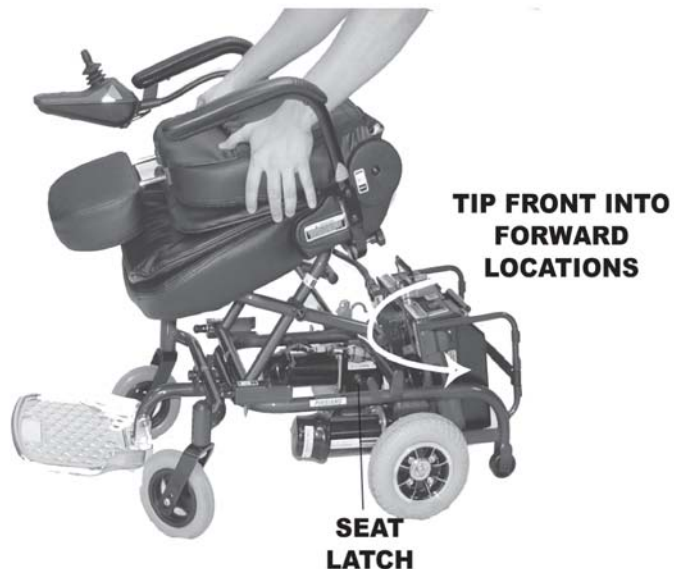


Figure 3 — Installing the Seat



## Battery Pack Installation

The Battery Pack is mounted directly into the frame, at the rear and secured by a spring-loaded latch. When in position, electrical contact is made automatically, no connections are required. The latch keeps the Battery Pack in place and properly connected when driving. The velcro straps help prevent accidental damage to the Battery Pack. Battery Pack installation is shown in Figure 4.

To install the Battery Pack:

- Use handle to lift Battery Pack into position
- Tip Battery Pack towards front of vehicle so that post engages latch
- Secure with velcro straps

Battery may not be fully charged upon installation. Refer to the following to recharge the Battery Pack of your Ultralite.



Figure 4 — Installing the Battery Pack

## Charging Battery

Although the vehicle ships from the factory with the Battery fully charged, it may have become discharged during transit, storage, etc. Use the following to charge the Battery before riding. The Model 760/765 provides three methods of charging the battery. 1.The Charger can be connected directly to the Battery Pack, off the Power Chair (Figure 5a); 2.The Charger can be connected while Battery Pack is still on the Power Chair (Figure 5b); 3.The Battery Pack can be recharged through a connection on the underside of the Joystick Assembly (Figure 6).

### *Battery Charging — Battery Pack Connection*

1. Locate and identify the separate Battery Charger and AC line cord that accompanies the vehicle.
2. The Battery can be charged either on or off the vehicle. If more convenient, detach Battery from vehicle and set on dry, flat surface accessible to an electrical outlet, as shown in Figure 5a.
3. Locate Charger connection on left side of Battery housing. It is covered by a round, sliding door labeled "Charger." Battery Pack charging connection on vehicle is shown in Figure 5b.



Figure 5a — Battery Pack Charging Connection (Removed from Power Chair)

4. Plug the round, 3-prong plug attached to the Charger into connection on Battery.
5. Attach the separate AC line cord into the Charger. Connect other end to electrical outlet. An LED Indicator on the charger housing should appear red while charging. When LED appears green, Battery is fully charged.
6. When fully charged, disconnect Charger from Battery Pack. If Battery Pack was removed from vehicle, replace it into frame and move Battery Pack forward until it latches in position.



Figure 5b — Battery Pack Charging Connection (On Power Chair)

### Battery Charging — Joystick Controller Connection

1. Locate and identify the separate Battery Charger and AC line cord that accompanies the vehicle. See Figure 6.
2. Turn controls “Off” at Joystick Assembly. Battery cannot be recharged while controls are operational. Locate Charger connection on the underside of the Joystick Controller. Plug the cord from the charger into this connection. Attach the separate AC line cord into the Charger. Connect other end to electrical outlet.
3. An LED Indicator on the charger housing should appear red while charging. When LED appears green, Battery is fully charged.
4. When fully charged, disconnect Charger from Joystick Assembly.



Figure 6 — Joystick Controller Charger Connection

## Adjusting Armrests

If your vehicle includes armrests, you can adjust the width between armrest so that you are seated in the most comfortable position possible. Armrest adjustments are shown in Figure 7.

To adjust armrest width:

- Loosen Adjustment Knobs on armrest bracket
- Slide armrest support to desired position
- Tighten Adjustment Knob to secure armrest bracket
- Repeat with other side armrest

Additionally, the armrests can be folded down and out of the way for easier movement in and out of the seat. Lift the armrest up at the rear to disengage and fold downward. Moving armrest up and lifting at rear until it engages into bracket returns armrest to riding position.

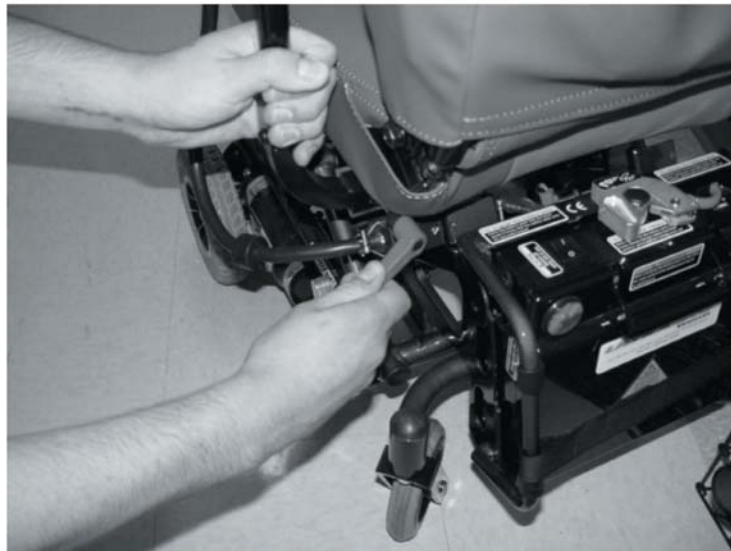


Figure 7 — Armrest Adjustments

## **WARNING!**

**DO NOT use armrest as support when getting on or off the vehicle.**

Armrests are not designed to support the weight of the rider when getting on or off the seat.

### **Accessories**

Your Ultralite Model 760/765 can include several useful accessories to make your riding experience more enjoyable, convenient, and easier. These accessories can include:

- Carrying Strap
- Lifting Harness
- Storage Bags
- Beverage Holder

These accessories are available separately and come with complete instructions for installation and use with your Ultralite vehicle. Contact your Ultralite dealer for further information.

## Using the Power Chair

Once you've gotten familiar with the Ultralite Model 760/765 Power Chair components, controls, and have charged the Battery Pack, you can use the following section to use it. This section presents instructions for:

- Day-to-Day Use
- Locking and Unlocking
- Disassembly and Re-Assembly
- Shipping and Transport

If you are unsure of how to operate your vehicle, go back to the previous section before attempting any use.

### Day-to-Day Use

The following describes using your Ultralite during general, daily operation, including:

- Getting On & Off
- Driving
- Freewheel Operation

## Getting On or Off the Vehicle

Your Power Chair has been designed to make getting on and off the vehicle as easy as possible.

### **WARNING!**

**Make sure On/Off switch of controller is in the “OFF” position before getting on or off the vehicle.**

Use the following recommendations to assist you in making it more comfortable to get on and off the vehicle.

- Lift folding armrests up and fold downward out of your way. Be sure to raise armrests into the riding position before operating.
- Raise the footplate of your Power Chair for added stability while getting on or off the unit. Always ride your Power Chair with the footplate down.

### **WARNING!**

**DO NOT use armrest as support when getting on or off the vehicle.**



## Driving

Once seated on your vehicle, driving is as simple as using the joystick to move in the desired direction. Before driving, however, you should keep in mind the following recommendations.

- Seat is locked onto frame. Check latching lever.
- Motors are engaged. Check Brake Levers. Both should be in “DOWN” position.
- Armrests are raised into riding position.

### **WARNING!**

**If any of these items are questionable, DO NOT OPERATE! Check before driving. These conditions may cause accidents or injuries.**

## Speed Settings

The maximum forward/reverse speed range of the vehicle is selected from the Speed Increase/Decrease buttons of the controller. Lower settings (1 lamp on Speed Indicator) result in slower speeds. Higher settings (more lamps on Speed Indicator) provide faster speeds.

When first operating your vehicle, select slower settings until you feel comfortable.

## **Inclines**

**ALWAYS** travel straight up or straight down an incline. **Never** drive across an incline or attempt to turn while on an incline.

**NEVER** try to turn around on an incline!

If vehicle stops on an incline, **DO NOT** attempt to continue.

When stopped on an incline, back down with the speed set at “slow” and back down in one continuous movement. **DO NOT** start and stop.

Always lean forward when traveling on inclines (up or down) for greater stability.

## **Cornering & Turning**

**ALWAYS** reduce to a safe speed when making a turn or going around a corner.

## **Kerbs and Small Obstacles**

**DO NOT** attempt to ride over curbs or any other obstructions higher than 2 inches (5 cm).

## Freewheel Operation

The Model 760/765 features a “freewheel” mode to allow it to be pushed by hand (manual operation). To activate freewheel mode, turn the Joystick Controller OFF and locate the Brake Release Levers on each drivetrain. Brake Release Levers are shown in Figure 8.

Pull lever up to disengage the brake release and use in freewheel mode. Push lever down to reengage the brake. When your vehicle is in freewheel mode, brakes will not operate.

### **WARNING!**

**Never sit in vehicle if it is in “freewheel” mode on an incline.**

**SEAT REMOVED FOR CLARITY**



*Figure 8 — Drivetrain Brake Release Levers*

## Locking and Unlocking

The Model 760/765 can be locked and made non-operational to prevent unauthorized use, temporarily disabling it when you are away and not using the vehicle. Locking and unlocking is performed through a few simple actions directly from the Joystick controls, actual keys are not required. Locking and unlocking sequences are described in the following and illustrated in Figures 9 & 10.

To **LOCK** the Model 760/765:

- While Controls are switched “On,” press and hold the On/Off control.
- After 1 second, controller will beep. Release On/Off switch.
- Move joystick forward until you hear a second beep.
- Move joystick backward (reverse direction) until you hear a third beep.
- Release joystick, there will be a longer beep alerting you that the Power Chair is now locked.

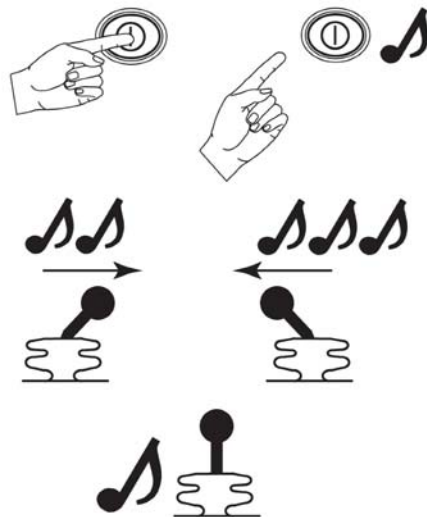
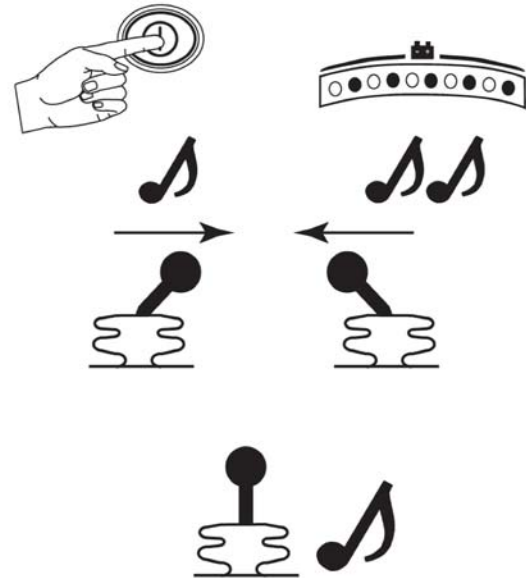


Figure 9 — Locking Sequence

To **UNLOCK** the Model 760/765:

- Press On/Off switch. The Speed Indicator will start to flash.
- Move joystick forward until you hear a beep.
- Move joystick backward until you hear a second beep.
- Release joystick, there will be a longer beep alerting you that the Power Chair is now unlocked.



It is recommended that you always lock the Model 760/765 if you are away from it for any length of time. This will prevent unauthorised or accidental movement of the vehicle.

Figure 10 — Unlocking Sequence

## **Disassembling and Re-Assembling the Model 760/765**

Your Model 760/765 Power Chair has been designed for easy disassembly for convenient transportation and storage. No tools or special techniques are required. The complete unit disassembles to seat (with Joystick Assembly), Battery Pack, and Frame. Use the following to take it apart and put it back together.

### **Taking the Power Chair Apart**

The Model 760/765 can be quickly and easily taken apart for transport, storage, etc. No tools are needed and it is estimated it can be taken apart within 5 minutes. Use the following to disassemble.

1. Turn the Joystick Assembly “Off” and switch battery “Off” at the Battery Pack.
2. Unlatch the Battery Pack and remove velcro straps to remove Battery Pack from frame.
3. Disconnect the Joystick Assembly wiring harness beneath the seat. Release the seat frame latch at the bottom rear and lift seat away from frame. Seatback and frame can be folded flat for storage.

### **Putting the Power Chair Together**

Reassembly of the Model 760/765 Power Chair consists of replacing the Battery Pack, reinstalling the seat, and reconnecting the Joystick Assembly's plug to the outlet mounted on the frame.

After reassembly, it is recommended the Joystick Assembly be switched “On” and functions tested before actually using the Power Chair.

## Transporting the Model 760/765

**By Car** — To transport your Power Chair by car, place each of the components into the boot, being careful not to scratch or mark any of the finished surfaces. If you need assistance lifting weights, consider asking your UltraLite Dealer about one of the many lifting devices. These devices will assist you in transporting your Ultralite by transferring these components in and out of your boot with very little effort. (See “Specifications” for more information on weights).

**By Airplane** — To transport your Ultralite 760/765 on an airplane, we recommend that you notify your airline of your mobility vehicle at least 24 hours prior to departure through your travel agent or in person. Ask your airline or your travel agent whether they will need to disassemble the Ultralite 760/765 or whether they plan to load and store it on the plane without disassembly. Ask specifically where and with whom you should drop the unit off and where and with whom you should retrieve it at your destination.

**Note:** Your Ultralite 760/765 is equipped with sealed lead acid batteries. These batteries are approved by the Federal Aviation Authority (FAA) for air travel.

Remember to bring this manual with you as a reference on your trip. Your manual will assist you in disassembling and reassembling your vehicle.

Prior to leaving the airport, remember to test the unit when first getting on it. Direct any questions to the airline personnel if the unit does not work as it did prior to transportation.



If travelling outside of the United Kingdom, you may require a different charger or an adapter for your present charger. Customer Service or your authorized service center can help you answer these questions and supply you with the charger or adapter you require.

**By Bus, Van or Truck without Disassembly** — If transporting your Power Chair fully assembled in a van, bus, or truck, secure it to the floor using a four point tie-down system.

The operator should then be seated in an approved seat somewhere in the transporting vehicle.

### **WARNING!**

**This vehicle does not meet Federal Safety Standards for motor vehicle seating. Do not sit, nor permit anyone else to sit, in the seat of during transportation in a motor vehicle as this poses a significant risk of bodily injury or even death.**

## Maintenance and Servicing

This section presents information to keep your UltraLite Power Chair in peak operating condition, including:

- Preventative Maintenance
- Troubleshooting
- Factory Return Procedures

Your UltraLite Power Chair requires only minimal maintenance and by setting time aside each month for careful inspection and checking items included in this section, you can be assured of a long, useful life of your vehicle.

### Preventative Maintenance

Performing periodic preventative maintenance on your Power Chair will ensure long, useful operational life as well as identifying any potential problems that may occur that might effect safe use and operation of the vehicle. Maintenance topics are presented in the following. For convenience, a Preventative Maintenance Checklist is also included as an aid in performing and recording maintenance of your Power Chair.

#### **Seat Upholstery**

A damp cloth and a mild soap will keep your seat and backrest looking good. Do not use abrasive cleaners as this will damage the coating. Upholstery can also be damaged by chemical cleaners.

Ultraviolet light can also reduce the life of the upholstery coating material. This is a normal aging process and cannot be guaranteed.

Seat Upholstery should be cleaned monthly.

**Frame**

The tubular frame of your Power Chair can be lightly washed with a damp cloth and mild soap and water. Auto polish can be used to keep painted surfaces in good condition. Do not use abrasive cleaners or strong detergents, because this will fade the color.

Frame can be cleaned yearly.

**CAUTION!**

**Do not hose down your Ultralite Vehicle. Water could penetrate the electronics and cause permanent damage.**

**Storage**

DO NOT store your Power Chair in damp conditions. This may affect the electronics if left for very long periods of time.

**Electronics**

Servicing of the drive electronics and charger should only be carried out by your local UltraLite Vehicles service center. These units are sealed and should not be opened. **BROKEN SEALS WILL VOID YOUR WARRANTY. DO NOT** operate your Ultralite Vehicle in extreme weather conditions, i.e. very heavy rain or snow. **DO NOT** drive through water. This may damage the main electronic controller of your Power Chair.

**Motor Brakes**

If the motor brakes are functioning correctly, you will not be able to push your machine when it is switched off or switched on with the brake release lever in the raised position.

Brakes should be checked weekly or daily.

**Tyres & Wheel**

Check the condition of your tyres regularly. Look for signs of wear, cuts and foreign objects lodged in the tread. If your vehicle has foam filled tyres, it eliminates the need to check or maintain air pressure.

If your Ultralite Vehicle has air filled tyres, you must check the tyre pressure regularly. Tyre pressure should be maintained at 35 to 40 psi. **DO NOT** over inflate the tyres. **DO NOT** operate the vehicle with under inflated or over inflated tyres.

Tyres should be checked weekly.

## **CAUTION!**

**Your vehicle has split wheel rims. DO NOT remove wheel bolts.**

**Tyre Pressure** If equipped with pneumatic tyres, fill to 35 to 40 psi. Check air pressure monthly.

**Battery** Keep your battery well charged (see “Battery Charging” on pages 13-15). Keep battery clean and in a dry frost-proof place. Keep battery contacts clean.

## **IMPORTANT!**

**It is not possible to predict the life expectancy of your battery. Different workloads will affect battery accordingly.**

Some Ultralite Vehicle users will use their vehicle every day and for long periods of time. Their battery will receive a near total discharge, and the life of their battery will be short (12 months or less in some cases). Other Ultralite Vehicle users will use their vehicles less frequently, putting their battery through a less demanding discharge life-style. These batteries will probably have a longer life (12 to 24 months or longer).

## Troubleshooting Guide

If your Model 760/765 Power Chair does not run as expected, check the following.

- Charger plugged-in to wall outlet. Vehicle will not operate while charger is plugged-in.
- Check Joystick Assembly's On/Off switch. Must be in "On" position.
- Check Power Switch on Battery. Must be in "On" position for Joystick Assembly's on/off switch to function.
- Battery may need charging. Check Battery Level Indicator. Amber or green lamps should be lit. Otherwise, recharge battery.
- Circuit Breaker may have tripped. Reset using circuit breaker reset button on right side of Battery.
- Loose wiring. Check controller wiring connections beneath seat. Make sure connector is tight.
- Speed Indicator flashes to indicate Power Chair is "locked." Refer to "Locking and Unlocking" (page 24).

Additionally, the Joystick Assembly of the Power Chair includes self-diagnostics that are displayed on the Battery Level Indicator. Individual LED's on this Indicator will flash to indicate a possible problem. LED meanings and appropriate corrective action are listed in the following.

## Joystick Assembly's Diagnostics

<b>LED</b>	<b>Color</b>	<b>Meaning</b>	<b>What To Do</b>
1	Green	Battery needs charging or bad connection	Check battery connections by removing and reconnecting. Recharge battery.
2	Green	Bad connection on left drivetrain	Check motor connections
3	Green	Short circuit on left drivetrain	Contact Service Center
4	Green & Amber	Bad connection on right drivetrain	Check motor connections
5	Green & Amber	Short circuit on right drivetrain	Contact Service Center
6	Green & Amber	Charger connected	Disconnect charger
7	Green & Amber	Joystick fault	Joystick must be centered (neutral) before turning controller "On."
8	Green, Amber, Red	Controller fault	Check connections
9	Green, Amber, Red	Brake connection fault	Check connections (motor & controller)
10	Green, Amber, Red	Excessive voltage at controller	Check battery connections

If vehicle still will not operate, contact your local UltraLite Dealer or contact Customer Service at **01460 258120** for further assistance.

# Specifications

<b>Designation</b>	<b>Model 765</b>	<b>Model 760</b>
<b>Dimensions (L x W x H)<sup>1</sup></b>	38" x 22" x 38" (96 x 57 x 96 cm)	38" x 22" x 38" (96 x 57 x 96 cm)
<b>Weight Capacity<sup>2</sup></b>	200 lb. (91 Kg)	200 lb. (91 Kg)
<b>Maximum Speed</b>	3.8 mph (6 km/h)	3.8 mph (6 km/h)
<b>Safe Incline</b>	6° (10%)	6° (10%)
<b>Max. Incline<sup>3</sup></b>	10° (17%)	10° (17%)
<b>Range<sup>4</sup></b>	9 miles (14 km)	9 miles (14 km)
<b>Turning Radius</b>	30" (77 cm)	30" (77 cm)
<b>Total Weight</b>	99 lb. (45 Kg)	88 lb. (40 Kg)
<b>Total Weight w/out batteries</b>	77 lb. (35 Kg)	66 lb. (30 Kg)
<b>Seat</b>	Detachable & Folding	Detachable & Folding
<b>Battery Capacity</b>	12V/12Ah (2)	12V/12Ah (2)
<b>Battery Pack Weight</b>	22 lb. (10 Kg)	22 lb. (10 Kg)
<b>Charger</b>	Off Board (2A)	Off Board (2A)
<b>Motor Output Power</b>	0.45 hp / 336W	0.45 hp / 336W
<b>Front Tyre Size</b>	6" (15.34 cm)	6" (15.34 cm)
<b>Rear Tyre Size</b>	8" (20 cm)	8" (20 cm)

**Notes:**

1. Including anti-tip casters
2. On level terrain
3. Based on rider weight of 165 lb.
4. Range varies with rider's weight, terrain, battery charge, temperature and style of driving



## **ONE YEAR LIMITED WARRANTY**

Electric Mobility Euro Ltd warrants its products against defects in material and workmanship for a period of one year, providing the products are properly assembled, operated and maintained in accordance with the vehicle-operating manual.

This limited warranty is limited to the original purchaser. This limited warranty commences on the date of the original retail purchase or original use, whichever occurs first, providing the warranty card is fully and correctly filled out and returned to Electric Mobility Euro Customer Service Department within 15 working days from receipt of product. If a defective part appears within the stated limited warranty period and the purchaser has given Electric Mobility Euro Limited immediate notice the Company will repair the part or at its option replace the part with a similar part. No allowance will be made for repairs to any equipment without the expressed written or verbal approval of Electric Mobility Euro Limited. Any description, specifications, samples, models, bulletins or similar materials used in connection with the sales of Electric Mobility Euro Limited products are for the sole purpose of identifying the equipment and are not to be construed as expressed warranties. This limited warranty applies only to the original purchaser of the equipment and is non-transferable. Electric Mobility Euro Limited shall not be liable for special, indirect or consequential damage. Electric Mobility Euro's liability on any claim of any kind including negligence for any loss or damage arising out of, connected with, or resulting from the order of the performance thereof the design, manufacture, sale, delivery, resale, direction and instruction, inspection, repair operating or use of any equipment covered by or furnished by, under this order, shall in no case exceed the price paid by the purchaser for the equipment. This limited warranty does not cover normal maintenance service, or periodic adjustments necessitated by use of wear. Under no circumstances will charge for labour, consequential damage or repair expense be allowed after 30 days from receipt of product.