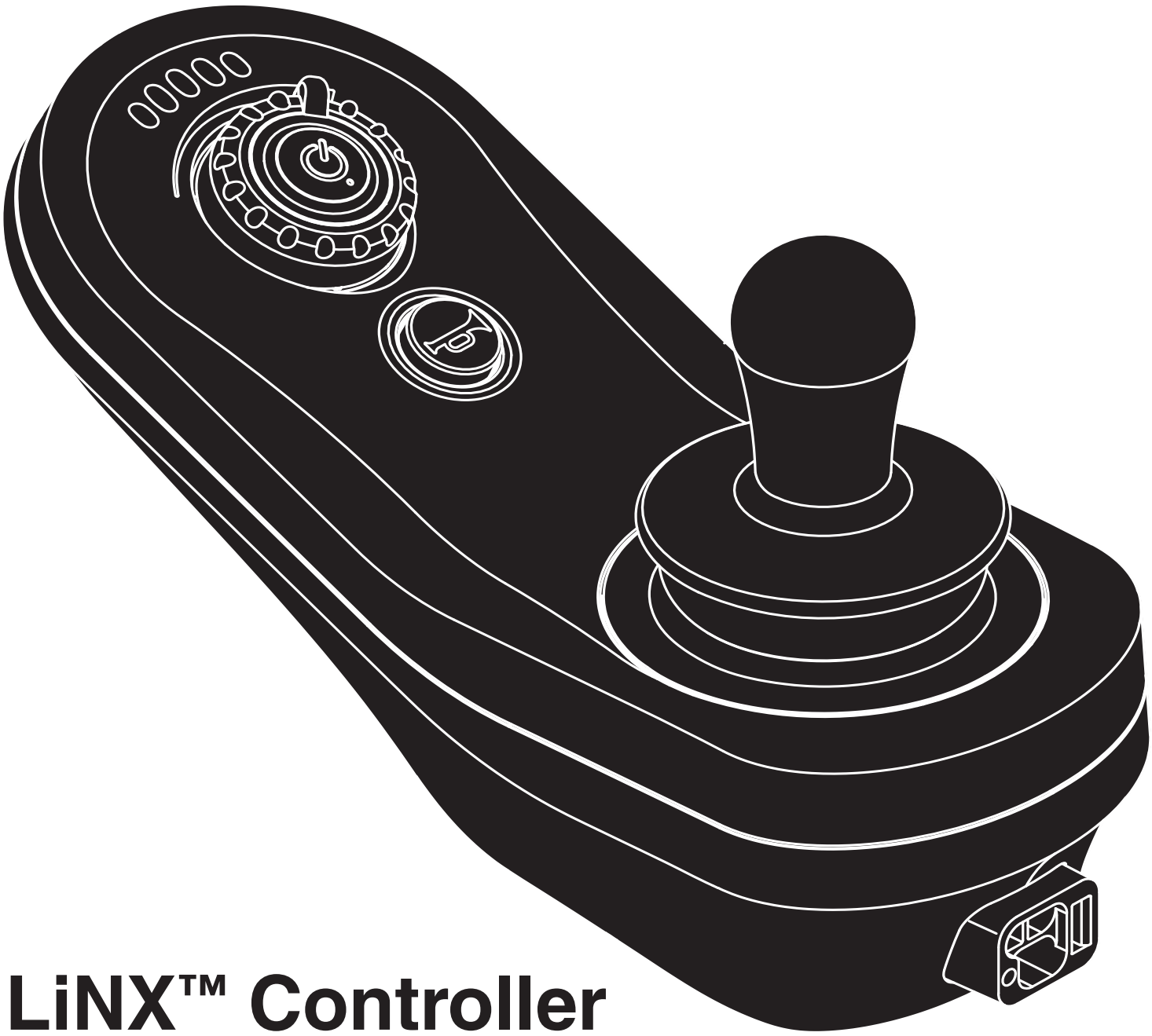
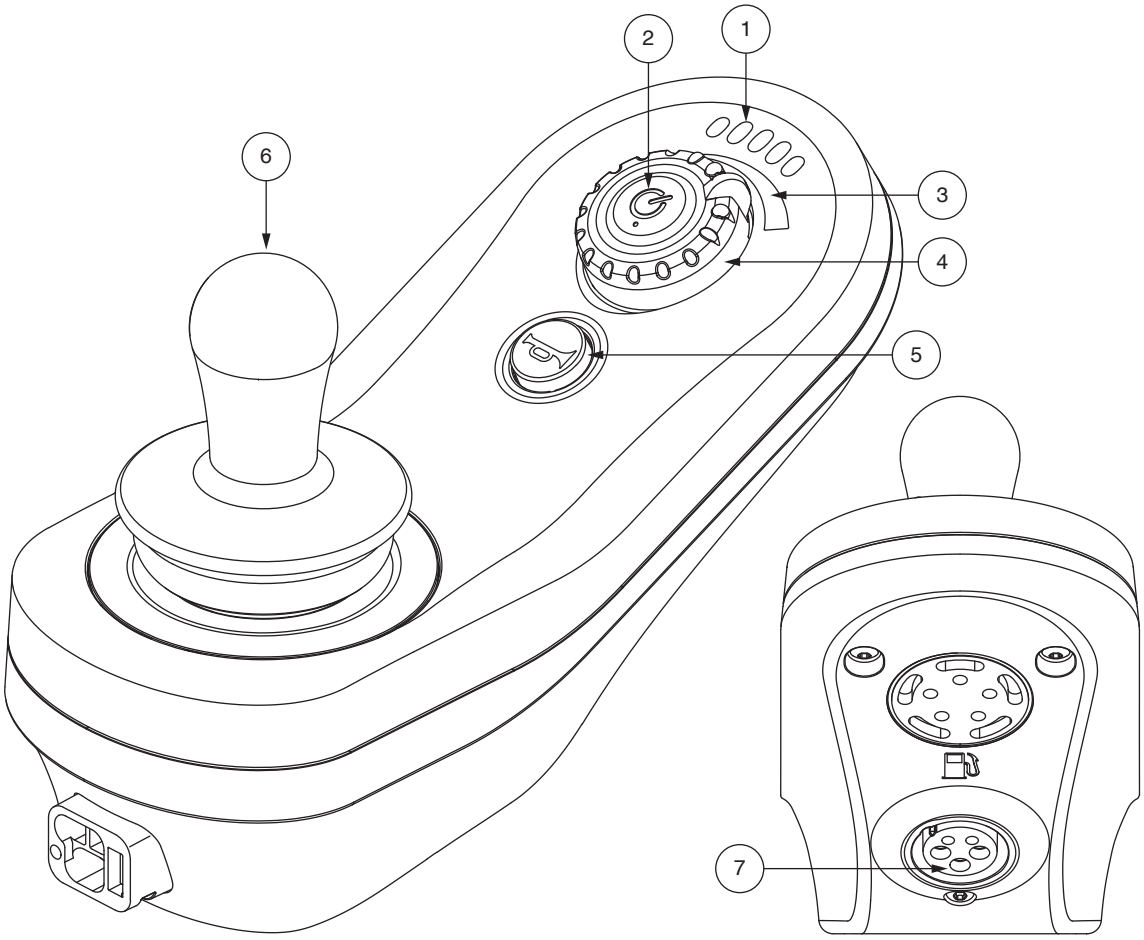
PRIDE® MOBILITY

Basic Operation Instructions



LiNX™ Controller

Identification Key



1 Controller	2 Battery Condition Meter	3 On/Off Button	Speed Symbol
4 Speed Dial	5 Horn Button	6 Joystick	7 Charger Port

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ACN 088 609 661

WARNING! An authorized Pride Provider or a qualified technician must perform the initial setup of this product and must perform all of the instructions in this manual.

The symbols below are used throughout this owner's manual and on the product to identify warnings and important information. It is very important for you to read them and understand them completely.

WARNING! Indicates a potentially hazardous condition/situation. Failure to follow designated procedures can cause either personal injury, component damage, or malfunction. On the product, this icon is represented as a black symbol on a yellow triangle with a black border.

MANDATORY! These actions should be performed as specified. Failure to perform mandatory actions can cause personal injury and/or equipment damage. On the product, this icon is represented as a white symbol on a blue dot with a white border.

PROHIBITED! These actions are prohibited. These actions should not be performed at any time or in any circumstances. Performing a prohibited action can cause personal injury and/or equipment damage. On the product, this icon is represented as a black symbol with a red circle and red slash.

NOTE: This owner's manual is compiled from the latest specifications and product information available at the time of publication. We reserve the right to make changes as they become necessary. Any changes to our products may cause slight variations between the illustrations and explanations in this manual and the product you have purchased. The latest/current version of this manual is available on our website.

NOTE: This product is compliant with WEEE, RoHS, and REACH directives and requirements.

NOTE: This product meets IPX4 classification (IEC 60529).

NOTE: This product and its components are not made with natural rubber latex. Consult with the manufacturer regarding any after-market accessories.

Table of Contents

Product Safety Symbols

The symbols below are used on the power chair to identify warnings, mandatory actions, and prohibited actions. It is very important for you to read and understand them completely.

Read and follow the information in the owner's manual.

Avoid exposure to rain, snow, ice, salt, or standing water whenever possible. Maintain and store in a clean and dry condition.

EMI/RFI—This product has been tested and passed at an immunity level of 20 V/m.

Disposal and recycling—Contact your Pride/Quantum Rehab Provider for information on proper disposal and recycling of your Pride/Quantum product and its packaging.

Use correct tie-down points for controller harness to prevent the harness from getting caught in the drive wheels, pinched in the seat frame, or damaged when passing through doorways.

LiNX™ Controller

The LiNX™ controller is a modular electronic controller system that allows you to operate your power chair. It is designed to allow the user to have complete control over chair movement and speed.

The controller has been pre-programmed to meet a typical user's needs. The program is set using either a personal computer with software provided by the controller manufacturer or with a hand-held programmer, also provided by the controller manufacturer.

WARNING! The controller program can affect speed, acceleration, deceleration, dynamic stability, and braking. If it is programmed incorrectly or outside of the safe limits as determined by your healthcare professional, it can create a dangerous situation. Only the power chair manufacturer, an authorized representative of the manufacturer, or a trained service technician should program the controller.

Precautionary Guidelines

Before operating the LiNX controller, please read the following. These guidelines are provided for your benefit and will aid you in the safe operation of the controller system.

- Turn off the power to the controller when transferring to or from your power chair.
- Follow all of the procedures and heed the warnings as explained in your power chair owner's manual.

Electromagnetic and Radio Frequency Interference (EMI/RFI)

WARNING! Laboratory tests have shown that electromagnetic and radio frequency waves can have an adverse effect on the performance of electrically powered mobility vehicles.

Electromagnetic and Radio Frequency Interference can come from sources such as cellular phones, mobile two-way radios (such as walkie-talkies), radio stations, TV stations, amateur radio (HAM) transmitters, wireless computer links, microwave signals, paging transmitters, and medium-range mobile transceivers used by emergency vehicles. In some cases, these waves can cause unintended movement or damage to the control system. Every electrically powered mobility vehicle has an immunity (or resistance) to EMI. The higher the immunity level, the greater the protection against EMI. This product has been tested and has passed at an immunity level of 20 V/m.

WARNING! Be aware that cell phones, two-way radios, laptops, electricity generators or high power sources and other types of radio transmitters may cause unintended movement of your electrically powered mobility vehicle due to EMI. Do not turn ON hand-held personal communication devices, such as citizens band (CB) radios and cellular phones, while the powered wheelchair is turned on. Be aware of nearby transmitters, such as radio or TV stations, and avoid coming into close proximity to them.

WARNING! The addition of accessories or components to the electrically powered mobility vehicle can increase the susceptibility of the vehicle to EMI. Do not modify your power chair in any way not authorized by Pride.

WARNING! The electrically powered mobility vehicle itself can disturb the performance of other electrical devices located nearby, such as alarm systems.

NOTE: For further information on EMI/RFI, go to the Resource Center on www.pridemobility.com. If unintended motion or brake release occurs, turn your controller off as soon as it is safe to do so. Contact your authorized Pride Provider to report the incident.

LiNX Controller Features

Figure 1 provides information on the LiNX controller components and connections. Use this diagram to familiarize yourself with the function and location of each component before using the LiNX controller.

The following functions are available with the LiNX controller:

- Joystick Control
  The joystick is used to control the direction and speed of the power chair.

- Speed Adjustment
  The user can increase or decrease the maximum speed of the power chair.

- Sleep Mode
  This feature is designed to preserve battery charge and can be disabled through programming.

- Out of Neutral at Power Up (OONAPU)
  A safety feature designed to prevent the power chair from overheating and causing damage to the motors or controller.

Operating the LiNX Controller

The LiNX controller is used to operate your power chair and all of its components.

The LiNX controller consists of (**see figure 1**):

1. joystick
2. keypad
3. off-board charger/programming socket
4. controller connector
5. power module

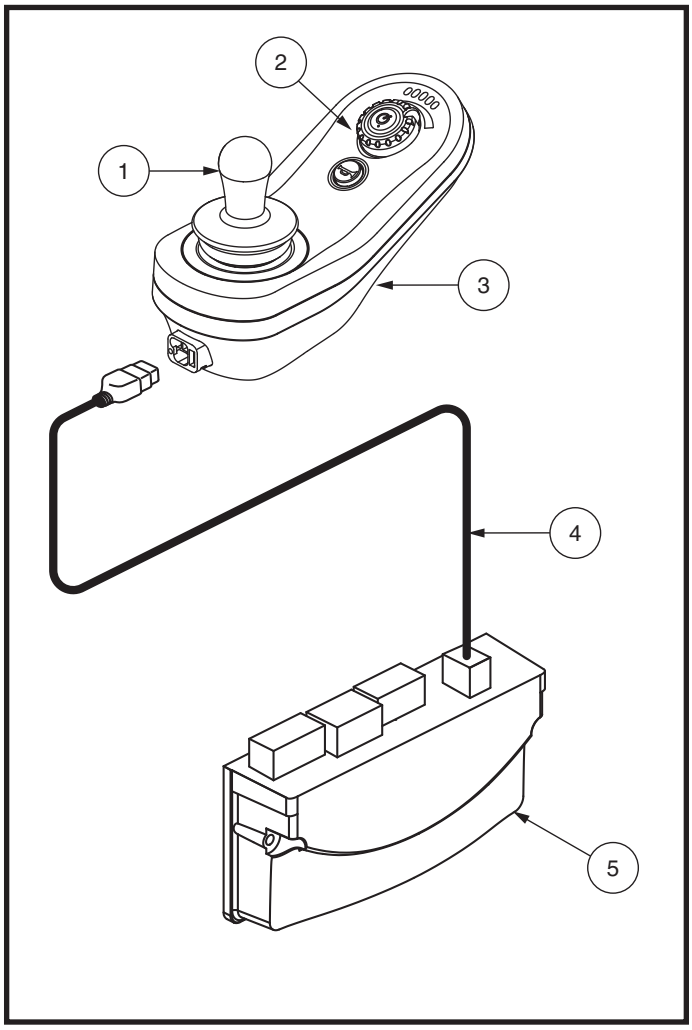

Figure 1. LiNX Controller

Joystick Control

The joystick controls the direction and speed of your power chair. When you move the joystick from the neutral (center) position, the electromagnetic brakes release and allow your power chair to move. The farther you push the joystick from its neutral position, the faster your power chair moves. When you release the joystick and allow it to return to the neutral position, you engage the electromagnetic brakes. This causes your power chair to decelerate and come to a complete stop.

Keypad

The keypad is located directly in front of the joystick. It contains keys that you will use to control your power chair.

On/Off Key

The on/off key turns the system on and off and also displays error codes. See “Error Codes.”

WARNING! Unless faced with an emergency situation, do not use the on/off key to stop the chair. This will cause the power chair to stop abruptly.

WARNING! Always turn the power off when you are stationary to prevent unexpected movement.

NOTE: If the joystick is not in the neutral (center) position when you turn on the power, you may cause a fault in the system. See “Out Of Neutral At Power Up (OONAPU).”

Horn Key
The horn key activates a warning horn.

Battery Condition Meter
The battery condition meter consists of five lights arranged in an arc over the on/off key. As the battery voltage drops, the number of lights reduces from right to left. When the battery capacity drops to 10% or below, one left red LED will flash.

- **One Left Red LED Flashing (one segment illuminated):** The battery charge is low; charge the batteries as soon as possible.
- **Right-to-Left Ripple of LEDs (all segments illuminated):** The controller is in lock mode; unlock the controller.
- **Left-to-Right Ripple of LEDs Alternating with Steady Display (all segments illuminated):** The controller is in programming, inhibit, or charging mode. When the joystick is moved, the speed gauge will also flash.

NOTE: We recommend that the first few times you operate your power chair, you set the speed to the slowest setting until you become familiar with your new power chair.

Speed Dial
The speed can be increased or decreased to one of 10 intervals by rotating the speed dial. Rotate the speed adjustment dial to the left to decrease speed and to the right to increase speed. As a visual reminder, a speed symbol is located above the speed dial.

Battery Condition Meter
The battery condition meter consists of five LEDs arranged in an arc over the on/off and horn keys. **See figures 1 and 2.** When functioning as the battery condition meter, this indicates the status of the electrical system using LED codes. For example, as the battery voltage drops, the number of LEDs reduces from right to left. When the battery capacity drops to 10% or below, the left red LED will flash.

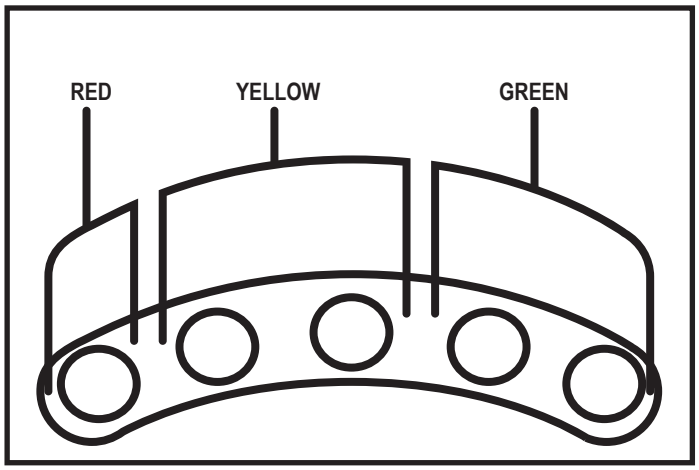

Figure 2 Controller Light Segments

Battery condition meter codes are as follows:

- **Left Red LED Flashing Slowly or Steady:** Battery charge is low; charge the batteries as soon as possible.
- **Red and Yellow LEDs Flashing:** Battery charge is low; charge the batteries overnight.
- **LEDs Scroll From Left to Right:** The controller is in inhibit or charging mode.
- **LEDs Ripple Side-to-Side Twice, then All LEDs Flash Quickly:** The joystick was not in the center position when the power was switched on, or the controller system detected a fault; refer to “Fault Codes.”

Controller Connector
This connects the LiNX controller to the power module located on the power base.

3-Pin Off-board Charger/Programming Socket
Only use the off-board charger that was supplied with your power chair to recharge the power chair batteries through the 3-pin socket located on the front of the LiNX controller. **See figure 3.** Contact your authorized Pride Provider for more information or for a replacement battery charger.

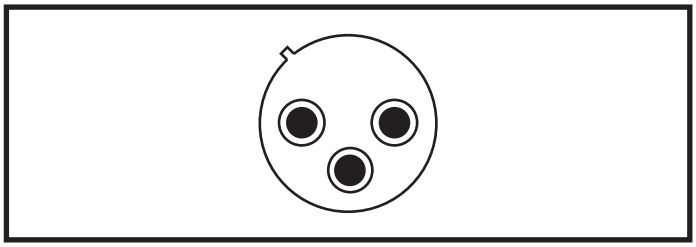

Figure 3. 3-pin Off-board Charger Socket

NOTE: The socket may also be used for reprogramming the LiNX controller. Contact your authorized Pride Provider for more information.

Lock Mode
The LiNX controller is equipped with a feature that enables you to “lock out” unauthorized users.

To lock the LiNX controller:
1. While the power is on, press and hold the on/off key for 4 seconds. The display will turn off immediately. After 4 seconds, all LEDs will flash briefly.
2. The LiNX controller is now locked.

To unlock the LiNX controller:
1. While the LiNX controller is locked, press the on/off key to turn on the controller. All LEDs will flash briefly. The LEDs will then slowly ripple from right to left, then will flash briefly.
2. Press the horn key twice before the LED ripple has completed, approximately 10 seconds. The controller is now unlocked.

NOTE: If you do not press the horn key twice before the countdown is complete, the system will beep and the LiNX controller will turn itself off. The unlock sequence must be completed successfully before the LiNX controller will operate again.

Sleep Mode (if enabled)
The power chair controller features a sleep mode. Sleep mode is a built-in circuit that will automatically shut off the main power if the joystick is not moved in any direction for a period of time. This time factor is programmed into the controller. To restore power and continue, push any key on the keypad.

Out of Neutral at Power Up (OONAPU)
Your power chair joystick is equipped with Out Of Neutral At Power Up (OONAPU). If you power up the system and the joystick is not in the neutral position, all of the lights in the speed setting indicator will flash rapidly for as long as the joystick is out of the neutral position. Allow the joystick to return to the neutral position and the fault will clear.

Error Codes

The on/off key will flash red to indicate error codes when the LiNX controller detects an abnormal condition in the electrical system. The on/off key will flash a number of times quickly, then pause, then flash again. The on/off key will continue to flash the error codes until the problem is fixed. The following table identifies the individual error codes. If any of these error codes persist or if you experience any other problem with your power chair, contact your authorized Pride Provider.

NOTE: When the on/off key flashes an error, the battery condition meter LEDs will also flash an inhibit. See "Battery Condition Meter."

Error Code	Probable Cause	Possible Solution
1	Remote/joystick error	Check cables and connectors. Replace remote.
2	Network or configuration error	Check cables and connectors. Check Bluetooth pairing. Reconfigure the system. Recharge the battery. Check charger. Replace modules. Contact supplier.
3	Left motor fault	Check the left motor, connections, and cables.
4	Right motor fault	Check the right motor, connections, and cables.
5	Left park brake fault	Check the left park brake, connections, and cables.
6	Right park brake fault	Check the right park brake, connections, and cables.
7	Module error (other than Remote)	Check cables and connectors. Check modules. Replace LiNX Access Key. Replace Power Module. Recharge battery. If the chair stalled, reverse away or remove obstacles, or if the chair was moved while turned off, cycle the power.

Care and Maintenance

Refer to your power chair owner's manual for proper cleaning and disposal instructions.

Warranty

Refer to your power chair owner's manual for specific information on the controller warranty.

PRIDE®
MOBILITY

USA
401 York Avenue
Duryea, PA 18642
www.pridemobility.com

Canada
5096 South Service Road
Beamsville, Ontario L0R 1B3
www.pridemobility.ca

Australia
20-24 Apollo Drive
Hallam, Victoria 3803
www.pridemobility.com.au

New Zealand
Unit 5/208 Swanson Road
Henderson, Auckland 0610
www.pridemobility.co.nz

UK
(Authorised UK Representative)
32 Wedgwood Road
Bicester, Oxfordshire OX26 4UL
www.pride-mobility.co.uk

The Netherlands
(Authorised EU Representative)
De Zwaan 3
1601 MS Enkhuizen
www.pride-mobility.nl
www.pridemobility.eu

Italy
Via del Progresso-ang. Via del Lavoro
Loc. Prato della Corte
00065 Fiano Romano (RM)
www.pride-italia.it

France
26 Rue Monseigneur Ancel
69800 Saint-Priest
www.pridemobility.fr

Spain
Calle Las Minas Número 67
Polígono Industrial Urtinsa II, de Alcorcón
28923 Madrid
www.pridemobility.es

Germany
Hövelrieger Str. 28
33161 Hövelhof
www.pridemobility.de

China
Room 508, Building #4, TianNa Business Zone
No. 500 Jianyun Road, Pudong New Area
Shanghai 201318
www.pridechina.cn

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