

Table of Content

Introduction

Practice Before Operating	2
---------------------------------	---

Safety Instructions

Safety Considerations	4
Driving Outdoors	7
Driving on Various Terrains	9

Familiarize Yourself With Your Powerbase Wheelchair

Feature Diagram	11
Specification	12
Terminology	13
Disassembly the Powerbase Wheelchair	14

Adjusting For Comfort

Adjusting the Seat Height	15
Adjusting the Backrest Angle	17
Adjusting the Armrest Width	18
Adjusting the Armrest Angle	18
Adjusting the Footrest Angle	19
Adjusting the Headrest Height	19
Adjusting the Joystick Position	19

Operating Your Powerbase Wheelchair

Manual Freewheel Levers	20
DK-REMD01 Controller Operation	21
VR2 Controller Operation	25
Batteries and Charging	30

Rec Symbols	33
-------------------	----

Warranty

Limited Warranty	34
------------------------	----



Welcome aboard your new powerbase wheelchair, and thank you for choosing our product. Please read this manual carefully, and follow all instructions before attempting to operate your powerbase wheelchair for the first time. If there is anything in this manual that you do not understand, or if you require additional assistance for setting up your powerbase wheelchair, Please contact your local dealer.

This latest model is designed for specific practical user needs, combining solid, rugged construction, and modern high-tech electronics, to enhance safety and performance.

With a state-of-the-art, programmable electronic control system, your powerbase wheelchair can be programmed and adjusted within a given range of its performance characteristics, to suit your individual needs. The controller is set up at the factory to give the powerbase wheelchair nominal operating performance characteristics.

After becoming familiar with the basic operation of the powerbase wheelchair, you may wish to customize the settings to fit your own personal preferences. A wide range of customization options can be adjusted such as acceleration, deceleration, maximum speed, turning speed, safety controls, better maneuverability of the joystick, and so on. Contact your local dealer for advice on additional equipment you may need.

Have your powerbase wheelchair checked regularly by your local dealer is the best way to ensure smooth operation, and safety.

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 independence and mobility.

Whenever special advice or attention is needed, please do not hesitate to contact your local dealer, who has the tools and know-how to provide expert servicing for your powerbase wheelchair.

Your satisfaction and opinions are highly valued by both your local dealer and our company. Please be sure to fill out the enclosed guarantee form, and return it to your local dealer. The information is necessary for providing you with the best service, and to be sure all of your needs are met.

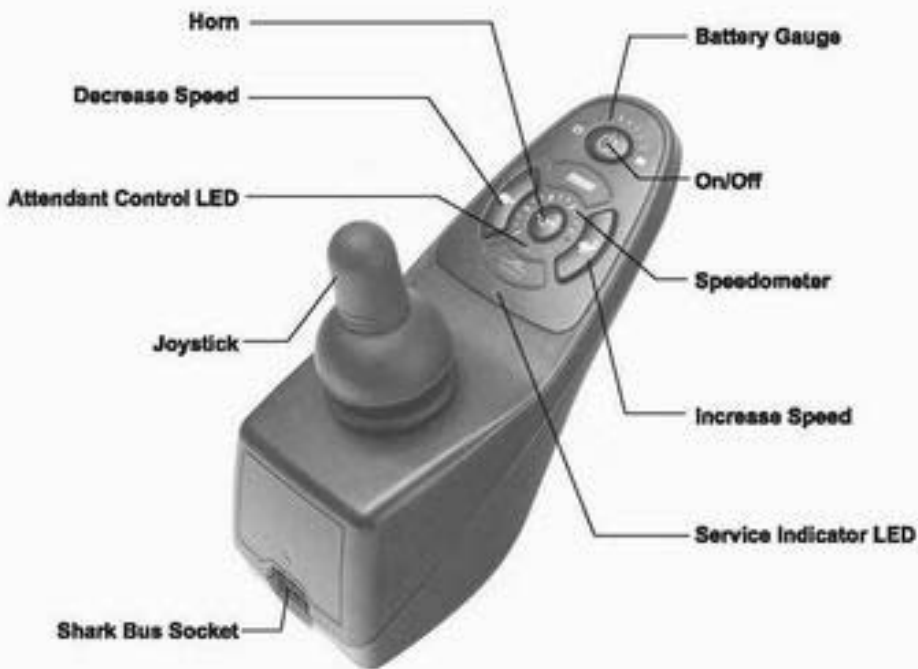
Failure to follow these instructions may result in damage to the powerbase wheelchair or serious injury.

■ Practice Before Operating

Find an open area such as a park and have an assistant to help you practice until you have confidence operating this vehicle.

Make sure that the power is off before getting in or out of the seat. Set the speed control button according to your driving ability.

We recommend that you keep the speed control at the slowest position until you are familiar with the driving characteristics of this vehicle.



Getting familiar with this vehicle



First, practice moving forward.
Be sure to set the speed to the lowest setting.



After becoming familiar with moving forward,
practice marking "S" turns.



Once you are familiar with "S" turns, practice
moving in reverse. Note that any speed control
setting, the vehicle moves more slowly in reverse
than forward

Owner's Manual

■ Safety Considerations

DO NOT do any of the following



NO!
Do not carry any passengers



NO!
Do not drive across a slope



NO!
Do not drink and drive
Consult your physician to
determine if your medications
impair your ability to control this
vehicle



NO!
Do not tow a trailer



NO!
Do not turn on or use hand-held personal
communication devices such as citizens band(CB)
radios and cellular phones

This vehicle has an immunity level of 30 v/m which should protect it from Electromagnetic Interference(EMI) from radio wave sources. The rapid development of electronics, especially in the area of communications, has saturated our environment with electromagnetic (radio) waves that are emitted by television, radio and communication signals. These EM waves are invisible and their strength increases as one approaches the source. All electrical conductors act as antennas to the EM signals and, to varying degrees, all power wheelchairs and power scooters are susceptible to electromagnetic interference (EMI). This interference could result in abnormal, unintentional movement and/or erratic control of the vehicle. The United Statement be incorporated to the user's manual for all electric power wheelchairs:

Powered wheelchairs and electric power scooters (in this text, both will be referred to as powered wheelchairs) may be susceptible to electromagnetic interference (EMI), which is interfering electromagnetic energy emitted from sources such as radio stations, TV stations, amateur radio (HAM) transmitters, two-way radios and cellular phones. The interference (from radio wave sources) can cause the powered wheelchair to release its brakes, move by itself or move in unintended directions. It can also permanently damage the powered wheelchair's control system. The intensity of the EM energy can be measured in volts per meter(V/m). Each powered wheelchair can resist EMI up to a certain intensity. This is called the "immunity level." The higher the immunity level, the greater the protection. At this time, current technology is capable of providing at least 30 V/m of immunity level which would provide useful protection against common sources of radiated EMI.

Following the warnings listed below should reduce the chance of unintended brake release or powered wheelchair movement that could result in serious injury:

- 1) 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.
- 2) Be aware of nearby transmitters such as radio or TV stations and try to avoid coming close to them.

- 3) If unintended movement or brake release occurs, turn the powered wheelchair off as soon as it is safe.
- 4) Be aware that adding accessories or components, or modifying the powered wheelchair, may make it more susceptible to interference from radio wave sources. (Note: there is no easy way to evaluate their effect on the overall immunity of the powered wheelchair).
- 5) Report all incidents of unintended movement or brake release to the powered wheelchair manufacturer, and note whether there is a radio wave source nearby.

TURN OFF YOUR POWER WHEELCHAIR AS SOON AS POSSIBLE WHEN EXPERIENCING ANY OF THE FOLLOWING:

1. Unintentional motions.
2. Unintended or uncontrollable direction.
3. Unexpected brake release.

The FDA has written to the manufacturers of power wheelchairs, asking them to test their new products to be sure they provide a reasonable degree of immunity against EMI. The letter says that powered wheelchair should have an immunity level of at least 30 V/m, which provide a reasonable degree of protection against the more common sources of EMI. The higher the level, the greater the protection.

■ Driving Outdoors

When you are on the road, please pay attention to the following:



NO!
Do not drive in traffic.



NO!
Do not drive beside a river, port, or lake without a fence or railing.



NO!
If possible, do not drive during the rain.



NO!
If possible, do not drive during or on snow.



NO!
Do not drive off-road or on any uneven surfaced roads.



NO!
If possible, do not drive at night.



NO!

Make sure that there are no obstacles behind you when in reverse.

We recommend to set up the speed at the lowest setting for reversing.



NO!

Do not make sudden stops, weave erratically, or make sharp turns.



NO!

Keep your arms on or inside the armrests and feet on the footrest at all time.



NO!

Do not attempt to climb curbs greater that 1 1/2"(4cm).



NO!

Do not attempt to cross over a gap greater that 3"(7.5cm).

Gap greater 3"(7.5cm)

■ Diving on Various Terrains

Driving on hills is more dangerous than on level surfaces. If you fail to heed these warnings, a fall, tip-over or loss of control may occur and cause severe injury to the vehicle user or others.



NO!

Do not attempt to climb a hill greater than 8°



NO!

Do not reverse while driving up a hill.

Forward only. If you reverse while moving up a hill, it may cause the vehicle to tip over.



NO!

Do not attempt to drive across a sloping surface greater than 3°

Driving across a slope greater than 3° is very dangerous and may cause the vehicle to tip over.



NO!

Do not drive over soft, uneven or unprotected surfaces such as grass, gravel and decks.



NO!

Use low speed while driving down hill.

When braking while moving down hill, the wheelchair will take longer to come to a complete stop.



NO!

Do not get on and off on a hill.

Always stop on the level surface to get in and get out of the vehicle.



YES!

Always climb or descend gradients perpendicular to the slope or ramp.

Familiarize yourself with your powerbase wheelchair

■ Feature Diagram

In this section, we will acquaint you with the many features of your powerbase wheelchair and how they work. Upon receipt of your powerbase wheelchair, inspect it for any damage. Your powerbase wheelchair consists of the following components.



Owner's Manual

■ Micro Compact Powerbase Wheelchair Specifications



P327

Model No.	P327, 4-Posts 300lbs	P327, 4-Posts 450lbs
Length	35.4*(90cm)	
Width	27.2*(69cm)	
Seat Width	20.5*(52cm)	22*(56cm)
Seat Height (from deck)	16.1*-18.9*(41-48cm)	16.9*-19.3*(43-49cm)
Seat Height (from ground)	21.3*-22.4*(54-57cm)	22*-23.2*(56-59cm)
Speed	5mph(8kph)	
Range up to	20mi(32km)	
Weight Capacity	300lbs(136kg)	450lbs(205kg)
Total Weight (without battery)	156bs(71kg)	167lbs(76kg)
Motor	DC24V / 160W	DC24V / 200W
Brake	Intelligent, regenerative, electromagnetic brakes	
Controller	Dynamic Shark 40A P&G VR2 40A	Dynamic Shark 60A P&G VR2 60A
Battery	12V,50AH / 22NF * 2pcs	
Charger	5A Off-board	
Gradient	8°	
Caster Wheel	F:6" / R:6" Solid Tire	
Drive Wheel	12" Pneumayic Tire	

■ Terminology

Joystick: The device used to "move" the powerbase wheelchair.

Controller: The device that allow joysticks to function. Not all joysticks have a controller.

Armrests: Where arms can rest during time spent on powerbase wheelchair.

Footrest: Where feet rest during time spent on the powerbase wheelchair.

Drive Wheel: The wheels that move the powerbase wheelchair. These are the main wheels.

Caster Wheel: The front wheels and the rear wheels.

Freewheel Lever: For convenience, your powerbase wheelchair is equipped with freewheel levers. These levers allow you to disengage the drive motors and maneuver the chair manually.



WARNING: DO NOT use the powerbase wheelchair without the presence of an attendant while the drive motors are disengaged! **DO NOT** disengage the drive motors when your powerbase wheelchair is on an incline, as the chair could roll down on its own, causing injury!

To engage or disengage the drive motors:

1. Turn the freewheel levers upward to disengage the drive motors.
2. Turn the freewheel levers downward the front of the powerbase wheelchair to engage the drive motors.

Note: It is important to remember that when the powerbase wheelchair is in the freewheel mode, the braking system is disengaged.

■ Disassembly the Powerbase wheelchair

Seat Removal:



Fig C1



Fig C2

- (1) Disconnect the controller connector from joystick. (Fig C1)
- (2) Turn backrest angle adjustment lever up, and till the backrest forward. (Fig C2)

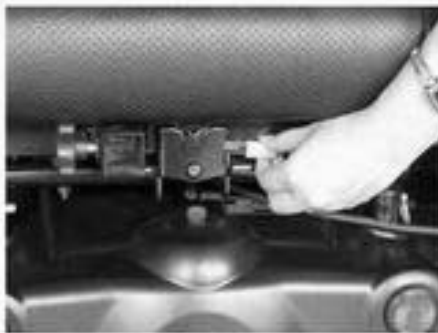


Fig C3



Fig C4

- (3) Push the locked-bar with left hand and lift the seat by right hand. (Fig C3)
- (4) Lift the rear part of seat. (Fig C4)

Take off the seat vertically. (Fig C5)

Seat installation:

- (1) Lift the seat vertically and insert the hook into front trapeze bar. (Fig C5)
- (2) Tilt the seat to horizontal position, then locked-shaft of seat will be inserted into lock-device of power base directly. (Fig C4→C3)



Fig C5

Seat Height Adjustment:

- (1) Take off the seat first.
- (2) Remove the retaining clips. (Fig D1)



Fig D1

- (3) Pull the trapeze bar out as far as the required height until the correct hole appears in the seat tubes hole. (Fig D2)



Fig D2

- (4) Insert the pin into the hole. And repeat this action in other 3 pins.
(Fig D3, D4)
- (5) Install the seat.



Fig D3



Fig D4

Removal Battery:

- (1) Turn the four plastic lock pins then remove top shroud. (Fig E1, E2)
- (2) Disconnect the battery wire. (Fig E3)



Fig E1



Fig E2



Fig E3

(3) Take apart the velcro. (Fig E4)



Fig E4

(4) Take off the batteries. (Fig E5)



Fig E5

Backrest Angle Adjustment:

Turn backrest angle adjustment lever up, and adjust the lever to the right angle, then release the lever. (Fig F)



Fig F

Armrest width Adjustment:



Fig G1



Fig G2

(1) Width adjustment. (Fig G1)

Loosen the set screw with allen key and adjust to the right width, then tighten the set screw.

(2) Height adjustment. (Fig G2)

Loosen the knob and adjust the armrest to right height then tighten knob.

Armrest Angle Adjustment:

1. Flip up the armrest for easy access.
2. Turn the set screw counter-clockwise to raise the armrest and clockwise to lower the front of armrest (Fig. H).



Fig H

Footrest Angle Adjustment:

1. Flip-up the footplate for easy access (Fig. I).
 2. With an Allen wrench, simply turn the bolt clockwise to increase the angle or counter-clockwise to decrease it (Fig.I).
- (1) Hold hexagonal bolt (RH) with wrench and loosen the nut (LH). (Fig I)
- (2) Choose the right angle and tighten the bolt.



Fig I

Headrest Height Adjustment:

Depress then release the clamp on the left of backrest while pulling headrest up or pushing down until you reach the desired comfort position (one of three). (Fig J)



Fig J

Joystick Position Adjustment:

Loosen the set screw with alley key and adjust the joystick bar to right position. then tighten. (Fig K)



Fig K

■ Manual Freewheel Levers:

The powerbase wheelchair has a manual freewheel lever on each motor. Manual freewheel levers enable you to disengage the drive motors from the gearboxes and maneuver the chair manually.



WARNING! Do not use the powerbase wheelchair while the drive motors are disengaged! Do not disengage the drive motors when the powerbase wheelchair is on an incline, as the unit could roll on its own, causing injury!

To engage or disengage the drive motors:

1. Locate the lever on top of each motor.
2. Push the two levers down ward to engage the drive motors.(Fig L1)
3. Pull the two levers up ward to disengage the drive motors.(Fig L2)

If a lever is difficult to move in either direction, slightly rock the powerbase wheelchair back and forth. The lever should then move to the desired position.



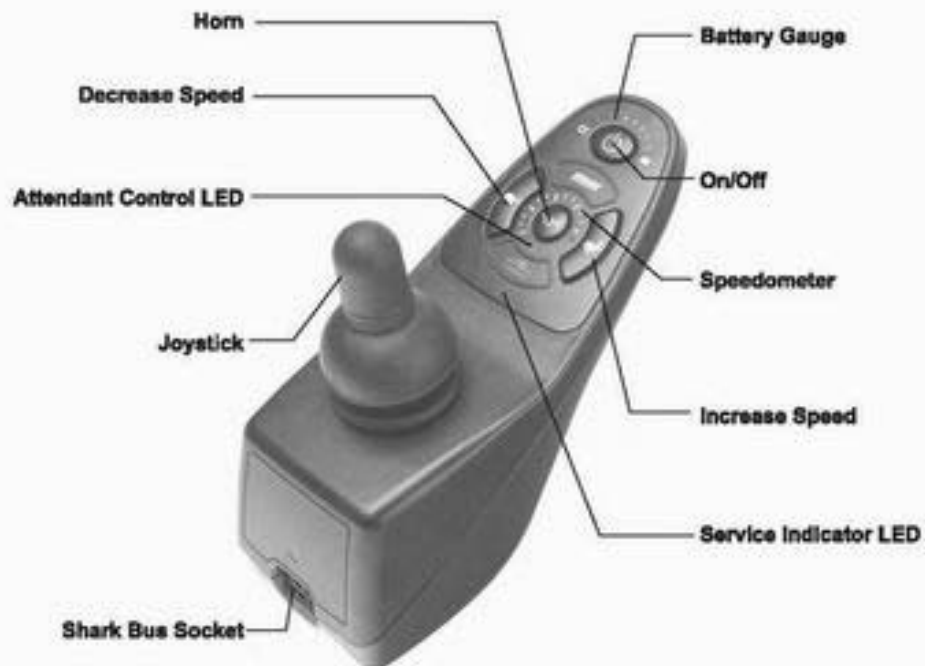
WARNING! It is important to remember that when your powerbase wheelchair is in freewheel mode, the braking system is disengaged.



Fig L1. Drive Mode (Drive Engaged)

Fig L2. Freewheel Mode (Drive disengaged)

DK-REMD01 Controller Operation



1. Turning SHARK On/Off and the Sleep Feature

Turning the Power ON



Press the On/Off button.
All Battery Gauge indicators will light briefly.
Either the current battery charge or Lock Mode will then be indicated.

Turning the Power OFF



Press the Power button.
All LED's will turn off.

2. Adjusting the Driving Speed



Top Speed 1
Typically 20% but programmable using the Lowest Forward Speed parameter.

Top Speed 5
Typically 100% but programmable using the Maximum Forward Speed parameter.

The user can adjust the chair's top speed to suit their preferences and environment. The currently selected top speed is shown on the Speedometer and can be adjusted using the "Increase Speed" (Hare) and "Decrease Speed" (Tortoise) buttons.

Each of the speedometer's 6 large LEDs typically represent 0%, 20%, 40%, 60%, 80% and 100% of the chair's absolute maximum top speed


REMD supports 2 modes of top speed adjustment - "5 Speed" and "VSP" modes.

In the "5 Speed" mode pressing the Increase Speed and Decrease Speed buttons steps between one of the 5 top speeds 20% to 100%.


In the "VSP" mode a quick single press of the Increase Speed and Decrease Speed buttons also steps between one of the 5 speeds 20% to 100%. However, pressing and holding the Increase Speed (Decrease Speed) Button ramps the top Speed up (down) in fine steps, allowing practically any top speed to be selected. This can be particularly useful for matching the chair speed to the walking speed of an accompanying pedestrian.

VSP is an extremely powerful feature, allowing both fast stepping between fixed top speeds by using quick presses or finer control using long presses. The VSP feature can be enabled or disabled. Users can toggle between the "VSP" and "5 Speed" Modes by holding down both the Increase Speed and Decrease Speed Buttons for approximately 2 seconds while the unit is powered up. The control unit will beep when the mode has been changed.


3. Using the Speedometer

	<p>The Speedometer is used to gauge the relative speed of the chair in comparison to the maximum speed possible. The right -most LED indicates current maximum speed, which can be adjusted using the Increase (Decrease) Speed button. Refer to section 2.3 for further details. Using the joystick, as the speed of the chair increases, the LED's will fill in until maximum speed (as displayed) is reached.</p> <p>If the bottom, left -most GREEN LED is flashing SHARK is in SPEED LIMIT mode, which limits the drive speed to a pre-programmed value, typically when a seat is raised or tilted and driving too fast may be dangerous. Reference your SHARK Power Module Installation Manual for further details.</p>
---	---

4. Using the Horn







	<p>Press the Horn button.</p> <p>The horn will sound for as long as the button is pressed.</p>
---	--

5. The SHARK Battery Gauge


	<p>The Battery Gauge is used to indicate power on (refer 2) and provides an estimate of the remaining battery capacity.</p> <p>Any green LEDs lit indicate well charged batteries.</p> <p>If only amber and red LEDs are lit, the batteries are moderately charged. Recharge before undertaking a long trip.</p> <p>If only red LEDs are lit, the batteries are running out of charge. Recharge as soon as possible.</p>
---	---

Owner's Manual


The following table indicates what the gauge will display for any given state.

Display	Description	This means...	Notes
	All LED's OFF	Power is OFF	
	All LED's ON steady	Power is ON	Less LED's imply a reduced battery charge.
	Left RED LED is flashing	Battery charge is low	The batteries should be charged as soon as possible.
	Right to left 'chase'	SHARK is being brought out of Lock mode	To unlock SHARK, press the Horn button twice within 10 seconds.
	Left to right 'chase' alternating with steady display	SHARK is in programming, inhibit and/or charging mode	The steady LED's indicate the current state of battery charge.
	All LED's flashing slowly	SHARK has detected an Out Of Neutral At Power Up (OONAPU) condition	Release the joystick back to neutral.

6. The REMD Service Indicator Light

	The amber Service Indicator LED is dedicated to displaying SHARK Flash Codes. For a list of the Flash Codes and what faults they indicate, Reference Section 5.3.
---	---

7. Using the Joystick

	Moving the joystick will cause the powerchair to drive in that direction. The amount of joystick movement will determine the speed that the powerchair will move in that direction.
---	---

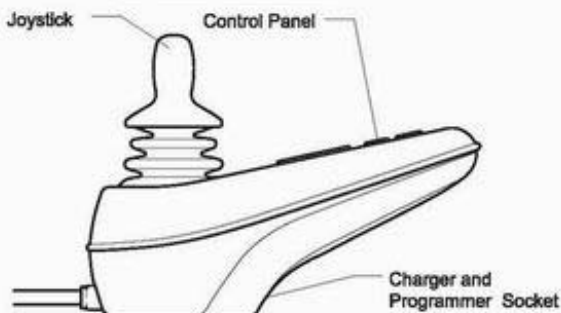
8. Using Lights

Headlights

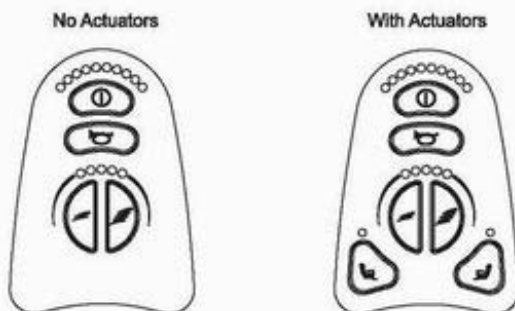
■ VR2 Controller Operation:

The VR2 control system has two versions of the front control panel - with and without actuator control. Most of the controls are common to both versions, however, the actuator buttons are only included on VR2 control systems with seat actuator control. Each of the controls is explained within this section.

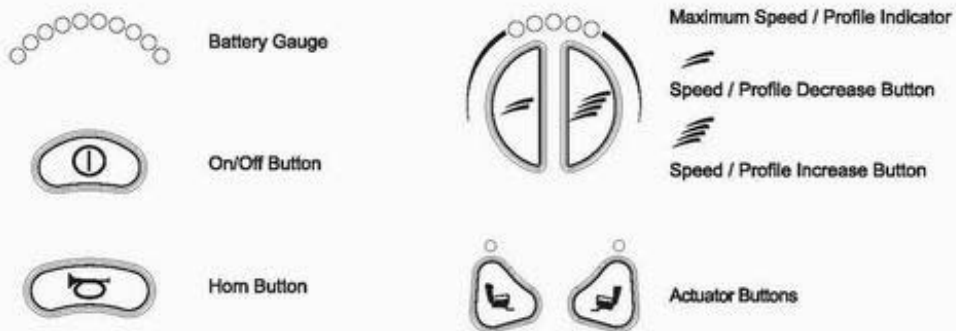
VR2 USER CONTROLS



Front Control Panel Details



VR2 CONTROL BUTTONS



On/Off Button and Battery Gauge

The on/off button applies power to the control system electronics, which in turn supply power to the wheelchair's motors. Do not use the on/off button to stop the wheelchair unless there is an emergency. (If you do, you may shorten the life of the wheelchair drive components).

The battery gauge shows you that the wheelchair is switched on. It also indicates the operating status of the wheelchair. Details are given in section 1.

1 Control System Status indication

The battery gauge and maximum speed / profile indicator show the status of the control system.

A number of supposedly defective control systems returned to us are subsequently found to operate correctly. This indicates that many reported faults are due to wheelchair problems rather than the control system.

1.1 Battery Gauge is Steady

This indicates that all is well.

1.2 Battery Gauge Flashes Slowly

The control system is functioning correctly, but you should charge the battery as soon as possible.

1.3 Battery Gauge steps Up

The wheelchair batteries are being charged. You will not be able to drive the wheelchair until the charger is disconnected and you have switched the control system off and on again.

1.4 Battery Gauge Flashes Rapidly (even with the joystick released)

The control system safety circuits have operated and the control system has been prevented from moving the wheelchair.

This indicates a system trip, i.e. the VR2 has detected a problem somewhere in the wheelchair's electrical system. Please follow this procedure.

- Switch off the control system.
- Make sure that all connectors on the wheelchair and the control system are mated securely.
- Check the condition of the battery.
- If you can't find the problem, try using the self-help guide given in section 1.6.
- Switch on the control system again and try to drive the wheelchair. If the safety circuits operate again, switch off and do not try to use the wheelchair.

Contact your service agent.







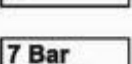
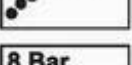
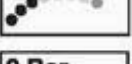


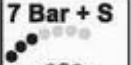
1.5 Self-Help Guide

If a system trip occurs, you can find out what has happened by counting the number of bars on the battery gauge that are flashing.

Below is a list of self-help actions. Try to use this list before you contact your service agent. Go to the number in the list which matches the number of flashing bars and follow the instructions.

If the problem persists after you made the checks described above contact your service agent.

* If the programmable parameter, Motor Swap has been enabled, then left and right hand references in this table will need transposing.

- | | |
|---|--|
| 1 Bar
 | The battery needs charging or there is a bad connection to the battery. Check the connections to the battery. If the connections are good, try charging the battery. |
|---|--|
- | | |
|---|--|
| 2 Bar
 | The left hand motor* has a bad connection. Check the connections to the left hand motor. |
|---|--|
- | | |
|---|---|
| 3 Bar
 | The left hand motor* has a short circuit to a battery connection. Contact your service agent. |
|---|---|
- | | |
|---|---|
| 4 Bar
 | The right hand motor* has a bad connection. Check the connections to the right hand module. |
|---|---|
- | | |
|---|--|
| 5 Bar
 | The right hand motor* has a short circuit to a battery connection. Contact your service agent. |
|---|--|
- | | |
|---|--|
| 6 Bar
 | The wheelchair is being prevented from driving by an external signal. The exact cause will depend on the type of wheelchair you have, one possibility is the battery charger is connected. |
|---|--|
- | | |
|---|--|
| 7 Bar
 | A joystick fault is indicated. Make sure that the joystick is in the center position before switching on the control system. |
|---|--|
- | | |
|---|---|
| 8 Bar
 | A control system fault is indicated. Make sure that all connections are secure. |
|---|---|
- | | |
|---|---|
| 9 Bar
 | The parking brakes have a bad connection. Check the parking brake and motor connections. Make sure the control system connections are secure. |
|---|---|
- | | |
|--|--|
| 10 Bar
 | An excessive voltage has been applied to the control system. This is usually caused by a poor battery connection. Check the battery connections. |
|--|--|
- | | |
|---|--|
| 7 Bar + S
 | A communication fault is indicated. Make sure that joystick cable is securely connected and not damaged. |
|---|--|
- | | |
|---|---|
| 8 Bar + A
 | An Actuator trip is indicated. If more than one actuator is fitted, check which actuator is not working correctly. Check the actuator wiring. |
|---|---|

1.6 Slow or sluggish movement

If the wheelchair does not travel at full speed or does not respond quickly enough, and the battery condition is good, check the maximum speed setting. If adjusting the speed setting does not remedy the problem then there may be a non-hazardous fault.

Contact your service agent

1.7 Maximum Speed / Profile Indicator is Steady

The display will vary slightly depending on whether the control system is programmed to operate with drive profiles.

1.7.1 Maximum Speed Indication

The number of LEDs illuminated shows the maximum speed setting. For example, if the setting is speed level 4, then the four left hand LEDs will be illuminated.

1.7.2 Profile Indication

The LED illuminated shows the selected drive profile. For example, if drive profile 4 is selected, then the fourth LED from the left will be illuminated.

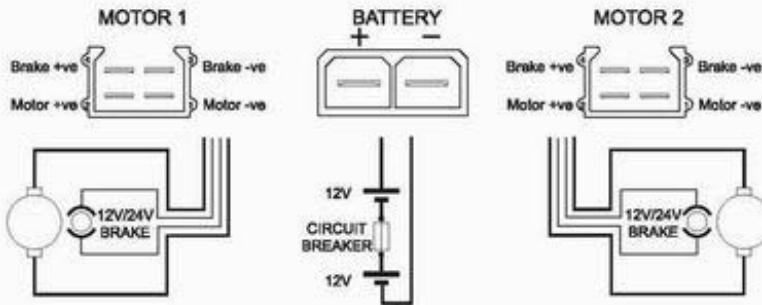
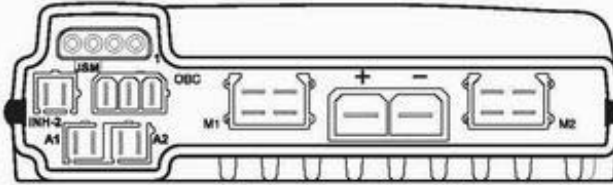
1.8 Maximum Speed / Profile Indicator Ripples Up and Down

This indicates the control system is locked.

1.9 Maximum Speed / Profile Indicator Flashes

This indicates the speed of the wheelchair is being limited for safety reasons. The exact reason will depend on the type of wheelchair, however, the most common cause is that the seat is in the elevated position.

VR2 POWER MODULE CONNECTIONS

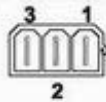


INHIBIT 2



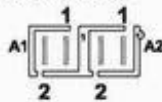
INH-2	Function
1	0V
2	Inhibit 2

ON-BOARD CHARGER



OBC	Function
1	Battery +ve
2	Inhibit 3
3	0V

ACTUATORS



Joystick Movement	Pin 1	Pin 2	Actuator Movement
Forward	+ve	-ve	Channel Up
Backward	-ve	+ve	Channel Down

► Operating your powerbase wheelchair ◀

Batteries and Charging

Your Power Wheelchair uses two long-lasting, 12-volt batteries. These batteries are sealed, maintenance free, deep-cycle batteries. Since they are sealed, there is no need to check the electrolyte (fluid) level. Deep-cycle batteries are designed to handle a deep discharge. Though they are similar in appearance to automotive batteries, they are not interchangeable. Automotive batteries are not designed to handle a long, deep discharge, and are also unsafe for use in power wheelchairs.

WARNING! Battery posts, terminals and related accessories contain lead and lead compounds. Wash hands after handling.

BATTERY BREAK-IN

To break in your power wheelchair new batteries for maximum efficiency:

1. Fully recharge any new battery prior to initial use. This will bring the battery up to about 90% of its peak performance level.
2. Run your power wheelchair about the house and yard. Move slowly at first, and do not stray too far until you become accustomed to the controls and break in the batteries.
3. Give the batteries another full charge of 8 to 14 hours and operate the power wheelchair again. The batteries should now perform at over 90% of their potential.
4. After four or five charging cycles, the batteries will top off at 100% charge and last for an extended period.

IMPORTANT INFORMATION ABOUT BATTERIES

A fully charged deep-cycle battery provides reliable performance and extended battery life. Keep your batteries fully charged whenever possible. Batteries that are regularly discharged, infrequently charged, or stored without a full charge may be permanently damaged, causing unreliable operation and limited battery life.

If you do not use your power wheelchair regularly, we recommend maintaining battery vitality by charging the batteries at least once a week.

Note: If you are storing a power wheelchair for an extended period of time, you may wish to block the unit up off the ground with several boards under the frame. This keeps the tires off the ground to prevent the possibility of flat spots developing.

If you intend to use public transportation while using your power wheelchair, you must contact in advance the transportation provider to determine their specific requirements.

Sealed Lead Acid and Gel Cell batteries are designed for application in wheelchairs and in other mobility vehicles. Generally, Sealed Lead Acid batteries that are marked as "Non-Spill" are safe for all forms of transportation such as aircraft, buses, and trains. We suggest that you contact your transportation provider to determine specific requirements of transportation and packaging.

If you wish to use a freight company to ship the power wheelchair to your final destination, repack the power wheelchair in the original shipping container and ship its batteries in separate boxes.

Charging Your Batteries






The battery charger is one of the most important parts of your power wheelchair. Optimize your power wheelchair performance by charging the batteries safely, quickly, and easily. Use only the charger supplied with the vehicle.

Charging Procedures


1. Keep charger output plug inserted into the charging socket in the front of the controller before having the charger input plugged into an electrical outlet.
2. Follow the instructions on the front panel of the charger for operating and learn the meanings of the different indicators accordingly.
3. Minimum charging time varies depending on battery condition and discharge level. It is recommended to charge the batteries overnight.

NOTE: The specially designed charger assures that excess power is not consumed regardless of how long it is switched on, and connected to the batteries.

4. Once charging is complete, disconnect the charger from the electrical outlet and then disconnect the charger from the controller socket. Do not leave the charger connected to controller when input power is disconnected. It is dangerous and will jeopardize the power charging to the batteries.

IEC SYMBOLS	
	Caution, attention or consult accompanying documents.
	Alternating Current
	Type BF Equipment
	Double Insulation
	No Smoking or Naked Flames

Degree of protection against ingress of water is rated as IPx0.

Serialization format for products	
	
1	The first digit is the last one digit of the year for manufacture.
2	The second and third digits are the month for manufacture.
3	The fourth to seventh digits are counting of how many units were manufactured during the month.

► Warranty ◀

Limited Warranty

Corporation warrants to the original purchaser of this wheelchair product that it is free of defect in material and workmanship and that, when operated within the guidelines and restrictions of this manual, will remain so free of defect in material and workmanship for a period of One (1) year from the original date of purchase.

Excluded from this warranty is failure due to negligence, abuse, accident, operation outside of rated limits, commercial or institutional use, damage / wear to upholstery or tires and improper maintenance or storage. The batteries for this wheelchair product are not supplied by Corporation; contact the battery manufacturer / supplier if warranty replacement is requested.

This wheelchair product must not be modified in any way without the express written consent of Corporation. Any such unauthorized modification could cause unreliable and / or unsafe operation and will void this warranty.

Where a failure occurs within the 1- year warranty period that is not excluded above, the failed components will be replaced with similar new or reconditioned components at sole option. Corporation will not be responsible for labor and / or shipping charges.

The foregoing warranty is exclusive and in lieu of all other warranties expressed or implied including, but not limited to, the implied warranty of merchantability and fitness for a particular purpose. Corporation will not be liable for any consequential or incidental damages whatsoever.

► Warranty Registration ◀

WARRANTY REGISTRATION

MODEL NO. _____

SERIAL NO. _____

DATE PURCHASED _____

NAME _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

DEALER NAME _____

STAMP

RETURN ADDRESS

Warranty

We wish you a safe and comfortable riding experience!

