

# ComfortGlide User Manual

2021 VERSION



## IMPORTANT

For your safety and comfort read carefully and understand all of the features prior to using your new Glide Rehabilitation Products chair.



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## SECTION 1. INTRODUCTON

Thank you for choosing the Glide Power Wheelchair.

An Australian designed and manufactured product, which complies with AS 3695 and has a manufacturers recommended maximum user weight of 175kg.

With proper care and operation your wheelchair will provide years of trouble free mobility.

**Please** take the time to familiarise yourself with the functions and features of your power chair by reading this owners manual. If you have any queries about the functions of the chair you can call Glide Rehabilitation Products, or your nearest Glide Rehabilitation Products dealer.

### GLIDE REHABILITATION PRODUCTS

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**READ THE OPERATOR &  
INSTRUCTION MANUAL**

CE



**APPLY BRAKES  
WHEN  
TRANSFERRING  
PATIENTS**

## SECTION 2. STANDARD FEATURES

The illustration (**Fig 1. below**) is a list of the Series 6 & Series 7 standard features

1. Drop Down Arms
2. Battery Pack
3. Drive Clutch
4. Front Castor Wheels
5. Controller
6. “CTA” Suspension
7. Footrests
8. Fold Down Back
9. Attendant Brakes
10. Legrest release lever



**FIGURE 1. STANDARD FEATURES**

## SECTION 3. WARNINGS

**Read and understand the warnings stated in this section.**

### **To the Occupant                      WARNING!**

1. Before using this chair, obtain advice and training from your health professional.
2. Each chair is custom designed to suit individual needs. Take time to become familiar with each feature before you begin driving.
3. Depending on your level of function and ability, you will need to develop your own methods for its safe use.
4. Understanding the environment where the chair will be used will help identify potential hazards and how to avoid them.
5. Read this manual before operating chair.
6. **Never take chair onto stairs or escalators.**

### **To the Carer                              WARNING!**

1. You must read this manual and follow all the instructions in each section as they also apply to you.
2. You must develop an understanding of the occupants ability to develop safe methods best suited to your ability
3. To manually push the chair you must make sure that you have control over the chair before releasing the motor drive clutch.
4. Only use the push handles to move chair. They are specifically designed for this purpose
5. When helping the occupant overcome an obstacle you must:
  - Learn safe methods from your health professional
  - Explain clearly to the occupant what you are about to do and what they are required to do
  - Always go straight up or down when traversing curbs or steps. Never attempt angled approaches or descents as it effects stability of the chair.
  - Never let the chair drop back to the ground when going over edges of steps and obstacles. Doing so may cause damage to chair or injury to the occupant
6. **Never take chair on to stairs or escalators.**

### **Environment Conditions                      WARNING!**

The Glide Rehabilitation Products Power Chair has been designed and tested with user safety, as it's prime consideration.

The "CTA Suspension System" has been designed to automatically adjust to uneven surfaces and changes in height, allowing all four wheels to stay in contact with the ground under most conditions. This feature provides improved stability and traction in demanding situations.

Even though the “CTA System” improves manoeuvrability and stability, this does not negate the effect or take into account, circumstances, which put the wheelchair outside the specified operating conditions for which it was designed and tested.

It is important that the user takes due care and understands the limitations within the environment that the chair will be operated.

As a guide only, the following is a brief list of scenarios that could affect the stability of the chair and need to be considered when driving chair: -

- Traction could be lost on inclined, wet, grassy surfaces. Take extra care and drive slowly on these surfaces.
- Tilting or reclining must be done on level ground ONLY.
- Never drive your chair on a wet, oily or icy covered ramp or slope
- Stop if one or both drive wheels lose traction
- Never traverse railway lines without someone in attendance
- Chair should not be driven in heavy rain
- Never use your chair in a shower, swimming pool, sauna, ocean or lake
- If your environment has many steep obstacles, always have someone in attendance to assist you.
- Never drive your chair in sand or over rough surfaces. Doing so may cause damage to wheels, bearings, gearboxes and motors.
- Chairs fitted with Tilt and Recline features should be driven with these features in the down and upright position. Driving in a Tilted or Reclined position can affect stability and your vision.
- Maximum safe slope – facing up slope 12 degrees
- Maximum safe slope – facing down slope 15 degrees

### **Ramps and Inclines      WARNING!**

When your chair is on a ramp or incline the centre of balance of your chair will change. Your chair is less stable when on ramps or inclines and should not be used unless you feel it is safe to do so. If in doubt have someone with you.

Do not use the chair on a slope of greater than 10 degrees.

When going up an incline or ramp you must:

- Make sure power tilt and recline features are in the down and upright position
- Approach the ramp or incline straight on. Do not approach on an angle (cut the corner)
- Make sure that you are in the centre of the ramp and that the ramp is wide enough for your wheelchair
- Not use ramp if you feel that a wheel may drop off the side
- Not veer or turn while on ramp. This may cause chair to tip and a fall may result.
- Drive chair at a slow, steady speed. Keep chair moving.

When going down a ramp or descent you must:

- Raise the power seat tilt, to compensate for the ramp angle, so that the seat is in a near level position.
- Re-adjust seat tilt to a near level position when back on level ground.
- Always use the centre of the ramp or descent

- Not veer or turn while on ramp or descent.
- Drive chair at a slow steady speed .Do not allow chair to accelerate over normal speed. Centre the joystick to allow it to slow down or stop.
- Never use attendant brakes to slow or stop the chair. This may cause the chair to veer or change direction erratically.

### **RFI. Warning**

### **WARNING!**

All electronic devices generally radiate some type of Radio Frequency Interference (RFI). The manufacturer of the wheelchair control systems, have made every effort to minimise the effect of RFI so as not to cause problems under normal circumstances. Even with the efforts by the manufacturer to minimise effects of RFI, the chair control system may still be affected in areas with strong RFI signals.

If for any reason, your chair behaves in an abnormal manner, shut the wheelchair off immediately.

Before continuing, the user must be confident that the system is performing normally. If not, turn chair off and contact your carer or Glide Rehabilitation Products Agent for repair.

### **Controllers**

### **WARNING!**

Your chair has been supplied with a fully programmable controller, which has the ability to fine-tune many driving parameters of your chair.

At time of specification your chair would have been programmed to best suit your individual function and ability.

Drive the chair in the mode that best suits the environment so as not to cause injury to yourself or others.

Have an authorised Glide Rehabilitation Products agents make adjustments to the controller if the chair is not performing to your satisfaction. (There are no controller adjustments that can be made by the user or carer)

### **Safety/Performance Check**

### **WARNING!**

Make sure the chair operates as it is designed to do.

If there is a change in the performance of the chair or in your functional ability, contact your nearest Glide Rehabilitation Products agent to reprogram the control settings to match your needs. It is advisable to have these settings checked annually.

Check for any uncharacteristic noises, vibration or any difficulty in its use.

If a problem is found, notify your carer and Glide Rehabilitation Products agent for repair or advice on how to repair. Do not drive it if your safety is at risk

Make sure that the batteries are fully charged before operating. The Green float light on the charger will indicate that the batteries are fully charged.

Make sure all tyres are inflated to recommended pressures and in good condition

Make sure all accessories are secure and in correct position

Check that the electronic brakes work correctly. (When chair is turned on with motors engaged and hand off the joystick, you should not be able to push the chair or rotate the drive wheels)

**MODIFICATIONS      WARNING!**

Never make any modifications or use non-approved Glide Rehabilitation Products parts on your power chair. Doing so may cause a safety hazard and could void Warranty. Unauthorised changes constitute remanufacturing of the power chair. This voids any warranty. The person or group who make the changes will have full liability of the power chair.



## **SECTION 4. OPERATING YOUR POWER CHAIR**

### **CONTROLLER**

Your new Power Chair has the option of two types of control systems, Dynamic Controls or Penny & Giles Controls. You will have been given instruction on how to operate your controller at time of specification.

**WARNING:** Never push the On /Off button or pad on the control box until you are seated correctly in the chair and have your hand on the control box.

**IMPORTANT:** Please familiarise yourself with the individual functions of your controller in particular the On\Off button or pad. Both types of control systems have an On/Off button or pad that operate by pressing once for ON and pressing the same button or pad again for OFF.

1. When turning chair on Do Not touch or move the joystick when pressing the on button or pad.
2. Never press the On/Off button or pad while driving your power chair.
3. To avoid damage to motor gearboxes always come to a complete “stop” before turning your power chair off.

### **ARMRESTS**

The armrests are adjustable in height and position forward or aft of arm pad.

#### **Height Adjustment**

Loosen Turn Wheel located at seat level on outside of armrest T – Post. When adjustment is complete retighten Turn Wheel ensuring that dimpled locking plate is located in corresponding dimples on T-Post. This helps prevent armrest from slipping down.

#### **Forward and Back Adjustment of Arm Pad**

Loosen small turn wheel located on the outside and underneath arm pad. Retighten when adjustment is complete.

### **FOOTRESTS**

The footrests are swing away and detachable. They swing out by either pushing or pulling the release lever.

The type of release lever fitted to your chair depends on your ability and footplate type fitted to your chair.

When lever is released the footplate will simply swing out and lift off the two locating pins.

When refitting footrest to chair ensure that it is located on both locating pins. Damage may result if only one pin is used.

#### **HEIGHT ADJUSTMENT OF FOOTPLATE**

Your footplate will be fitted with one of two types of adjustment styles.

1. Clamp Type – to adjust height simply loosen clamp bolt, move to desired position, retighten clamp bolt.
2. Incremental Hole Type – to adjust height simply un - do and remove bolt, move footplate to nearest hole to suit desired height, replace and tighten bolt firmly.

### **DRIVE CLUTCH**

The drive clutch is located in the centre of each driving wheel. It is identified as a large Black Plastic Knob.

To ENGAGE, simply turn Black Plastic Knob (drive clutch) in either direction until you here a “click”. Turn chair on and SLOWLY move joystick forward until drive clutch self engages.

To DISENGAGE simply pull out and ¼ turn the Black Plastic Knob (drive clutch). This will allow the chair to be free wheeled.

### **BRAKES**

Your power chair has electronic brakes and they are activated in the flowing manner.

1. If chair suffers a power failure while driving
2. When joystick of controller is released
3. When chair is turned Off

In addition the power chair is fitted with attendant brakes for use when in free wheel (drive clutch disengaged).

### **ADJUSTING THE BACKREST ANGLE**

There are 2 options available for backrest angle adjustment

1. Standard on all Series 6 & 7 chairs, unless otherwise ordered, is an incrementally adjustable support strut. You will require a 13mm spanner to remove bolt to set desired angle.
2. Electrically operated actuator. These are operated in several ways
  - Touch pad or button located on controller
  - Remote switches located for best access by occupant.
  - Changing to actuator on MODE setting and using joystick to adjust.

Please familiarise yourself with this function for trouble free operation.

### **ADJUSTING THE SEAT ANGLE**

There are 2 options available for seat angle adjustment

1. Standard on all Series 6 & 7 chairs, unless otherwise ordered, is an incrementally adjustable support strut under the seat. It is advisable to have a Glide Rehabilitation Products representative make this adjustment.
2. Electrically operated actuator. This is operated in several ways
  - Touch pad or button located on controller
  - Remote switches located for best access by occupant
  - Changing to actuator on MODE setting and using joystick to adjust.

Please familiarise yourself with this function for trouble free operation

## SECTION 5. TRANSPORTING YOUR POWER CHAIR

Transporting your Power Chair in motor vehicles can be easily achieved by the following methods.

### STATION WAGON

The backrest folds down onto the seat by pulling out pins **A**, **B**, and **C** (see **Fig 2** below)

**Note:** Pins **A** & **B** are released by first pulling them out and then twisting. They will then remain out allowing a free hand to release Pin **C** (by same method as for pins **A** & **B**) allowing you to lower backrest forward onto the seat. The linkage system will allow the back to lie flat on the seat.

### TRANSPORTING IN A SPECIAL WHEELCHAIR TAXI, BUS OR PRIVATE VEHICLE WHILE THE USER IS IN CHAIR.

To date there is no recognized Australian Standard that covers wheelchairs suitable for vehicle transport while the user is in the chair. The Series 6/7 wheelchair has undergone Static Pull test for the Vehicle Tie Down Location points to a load specified by the NATA test laboratory and in accordance with Standards requirements. It is recommended that a 4-point tie down system is used for anchoring the chair to the vehicle in conjunction with the occupant restraint system, that must comply with AS2942-1994. Where possible, wheelchair occupants should be transferred into and use the proper vehicle seat and restraints

**CAUTION : Do not use legrests or footplates as attachment points for your tie down system.**

**Do not use armrests as attachment points for your tie down system.**

**Unoccupied wheelchairs in vehicles must be safely secured or stored securely outside the passenger compartment.**

**Posture Positioning Belts should not be used as vehicle restraint belts.**

**NOTE :** Ensure that your restraint system complies with AS2942 and you fully understand the manufacturer instructions on how your tie down system works and whether it is compatible with the Glide Power Chair.



**FIGURE 2. FOLD DOWN BACKREST**

## **SECTION 6. BATTERY CHARGING AND MAINTENANCE**

Keeping the Power Chair working to its maximum potential it is recommended the batteries be charged every night. This will ensure a longer life for the batteries and chair will be ready to go when you are.

Your Power Chair battery charger is special to your chair and may not be suitable for other power chairs.

### **CHARGING YOUR POWER CHAIR**

1. Ensure charger is switched off
2. Ensure wheelchair is switched off
3. Connect charger to wheelchair via the charging socket located on the front of the joystick module.
  - ORANGE “Battery Connected” light will come on
  - Connect 3 Pin plug to mains supply and turn on.
  - Switch charger on. RED “Power On” light will come on.
  - When battery is fully charged GREEN (charge complete) float light will come on.

**NOTE:** Chargers may vary slightly so please familiarise yourself with the manufacturers instructions.

### **CHARGING TIMES**

Charging times may vary depending on usage, battery condition, internal resistance and age of battery.

In most cases overnight charging (8 – 10 hours) is sufficient.

No harm will be done to batteries by leaving them on charge for a few days. However prolonged charging is not advisable. EG. 3 days or more.

### **BATTERIES**

Do not store near a heat source or in direct sunlight. Keep the terminals dry, clean and coat lightly with petroleum jelly to prevent corrosion.

It is advisable to have a Glide Rehabilitation Products representative replace your batteries.

## SECTION 7. ROUTINE MAINTENANCE

### DAILY

Charge your batteries every night so your Power Chair is ready to go when you are.

### WEEKLY

1. Check tyre pressures (30PSI front, 30PSI rear)
2. Clean frame and vinyl parts with mild soapy solution.
3. Wipe upholstery with a clean damp cloth
4. Check function of electric brakes
5. Check all cables and connectors are secured; i.e. battery, motors and controller.
6. Check both front and rear castors for any excessive movement about the top or bottom bearing mounts or pintle shaft. Contact your nearest Glide Rehabilitation Products agent for repair of this fault if it occurs.

### MONTHLY

1. Give the chair a general inspection for loose nuts and bolts.
2. Inspect and clean corrosion from battery terminals and cable connectors. Coat with petroleum jelly

### ANNUALLY

It is advisable to have an annual inspection of the Power Chair performed by an authorised Glide Products Agent. Their knowledge and experience enables them to identify and correct problems that might otherwise go undetected.

For any questions concerning procedures or service, contact your nearest Glide Rehabilitation Products Agent or Glide Rehabilitation Products direct.

**NOTE: As stated in our warranty, we recommend that your wheelchair be returned to an authorized Glide Rehabilitation Products agent for it's free 3 month service check. This is a one off free service calculated from date of purchase.**

## SECTION 8. TROUBLE SHOOTING

If your Power Chair will not go, follow this checklist

1. Check that the lights on control box are illuminated.
2. If there are no lights on controller, check that all leads/plugs, which connect to controller, are pushed in properly.
3. Check that the motor cables are properly connected
4. Check all battery wiring is connected.
5. Check that battery box connector is plugged in.
6. Check circuit breaker located on the battery box lid. The circuit breaker will trip when the wheelchair is stalled for a prolonged period or if a major fault has occurred. If circuit breaker continually trips for no apparent reason, cease use and contact nearest Glide Products service agent. **Important:** Allow 60 seconds before resetting circuit breaker.
7. If you still have problems after reviewing the above checklist, please contact your nearest Glide Rehabilitation Products Agent or Glide Rehabilitation Products direct.

## SECTION 9. PENNY & GILES PILOT + SERIES CONTROLLER

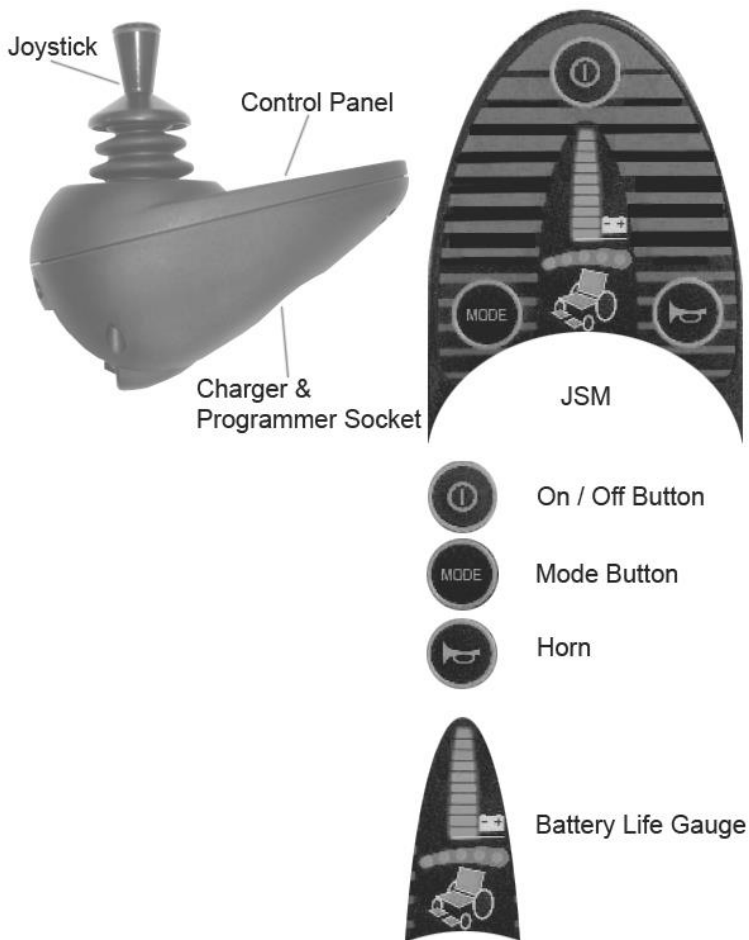


Figure 3. Penny & Giles Controller



## CONTROLS

### **On/Off Push button**

This is a green pushbutton switch fitted in front of the joystick, which turns the controller **On** and **Off**. Do not use this switch to stop the wheelchair except in an emergency.

### **TruCharge Battery Gauge**

This is a 10 segment illuminated display which indicates if the controller is turned **On** and also gives the status of the battery, the controller and the wheelchair electrical system.

**Red, Yellow and Green bars illuminated:** Battery charged; controller and electrical system OK.

**Red and Yellow bars illuminated:** Charge battery if possible, controller and electrical system OK.

**Red bars only illuminated or Slow Flash:** Charge battery as soon as possible; controller and electrical system OK.

**Rapid Flash of bars:** Indicates a fault in the controller or electrical system. See below for fault diagnostics.

**Ripple Up and Down of bars:** Joystick displaced at Turn On. Ensure joystick is in central position, Turn off and On.

### **Joystick**

Controls the speed and direction of the wheelchair. Push the joystick in the direction that you wish to go. The further you push it, the faster the speed. Releasing the joystick stops the wheelchair automatically.

### **Maximum Speed/Profile Indicator**

This is a gauge which shows the maximum speed setting for the wheelchair or, if the control system is programmed for a drive profile, the selected drive profile.

To change speed/profile you must press the MODE button.

If the mode button is pressed while you are **driving** the maximum speed setting will be increased by one step. Each successive operation of the mode button will increase the setting. There are five settings and the system will toggle to the next setting each time the mode button is pressed while **driving**. E.g 1-5 and 5-1

If the MODE button is pressed when the joystick is centred – **when chair is stationary** – the control system operation mode will be changed. There are three modes – drive, speed adjustment and actuator adjustment.

1. To adjust speed when in this mode – The maximum speed can be adjusted by left or right movements of the joystick. Left will decrease the speed, right will increase it. Forward or reverse movements of the joystick will take you back into drive mode.
2. When the control system is in this mode the actuator indicator will be illuminated. The section of the wheelchair symbol that is illuminated shows the actuator that is selected for adjustment. To change the selected actuator move the joystick left or right. To make adjustments to the selected actuator move the joystick forwards or backwards.

**Horn Button**

Horn will sound for as long as button is pressed

**Charger Socket**

This 3 pin socket is used to connect your battery charger and also to programme/re – programme controller using the PP1 programmer, should this be necessary.

**PENNY & GILES FAULT TREE**

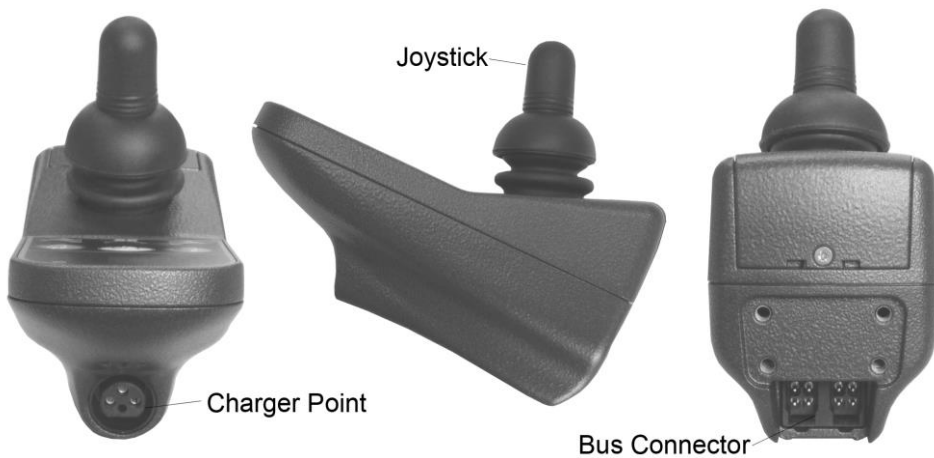
**Fault Type**

The number of flashing bars indicate the possible area of fault.

		Description
GREEN	██████████	High Battery Voltage
	██████████	Solenoid Brake Fault
	██████████	Possible Controller Fault
YELLOW	██████████	Possible Joystick Fault
	██████████	Charger Connected
	██████████	Right Motor Wiring Fault
RED	██████████	Right Motor Disconnected
	██████████	Left Motor Wiring Fault
	██████████	Left Motor Disconnected
	██████████	Low Battery Voltage

**Figure 4. Penny & Giles Fault Tree**

## SECTION 10. DYNAMIC CONTROLS CONTROLLER



**Figure 5. Dynamic Controller**

## **CONTROLS**

### **DX – G90A REMOTES**

**On/Off Button** – This is a white pad located in front of joystick control knob. It is also identified by having **1/0** printed on it.

#### **Mode/Program Select Button**

This is a Light Blue pad located to the left of the On/Off pad. Each press of the mode button will increment the drive profile, up to the maximum configured value, and then back to profile 1. The current profile will be displayed in the drive display.

#### **Actuator/ASK (Accessory Shortcut Key) Button**

This is a Red pad located to the right of the On/Off pad. A press of this button will navigate you to last used accessory function, e.g. actuator control. If you are already in accessory mode, a press of ASK, will navigate you to next available accessory function, e.g. lights or ECU.

To change to different actuators simply move the joystick left or right to take you to the next function, e.g. tilt or recline. Then move joystick forward or back to operate actuator, e.g. up or down.

To return to driving, simply press the Blue mode button.

#### **Horn Button**

Pressing the Horn button will sound the horn for as long as the button is pressed

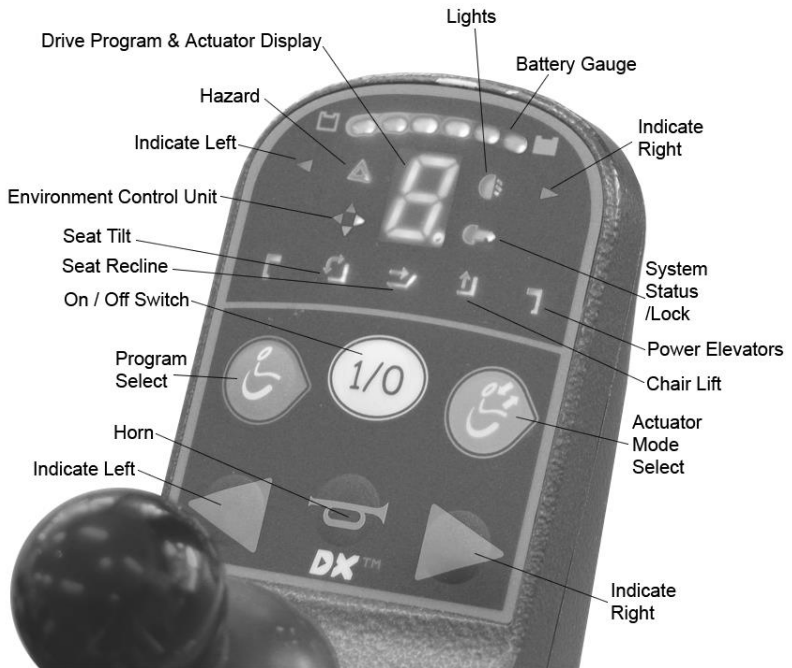
#### **Indicator Buttons**

These are a Green button located each side and at the bottom of the control panel. If this function has been programmed, to turn the indicator on/off press and release (short press) the indicator button.

#### **Jack Sockets**

Jack sockets have been provided on the G90A for accessing On/Off and Mode functions via 3<sup>rd</sup> party switches.

These connections are protected by a screw down cover and are clearly labelled. When 3<sup>rd</sup> party switches are connected, ensure the wiring is routed suitably to exit from the notches in the cover. Carefully replace the cover and retighten the screw.



**Figure 6. Dynamic Control Panel**

## Dynamic Shark Controller

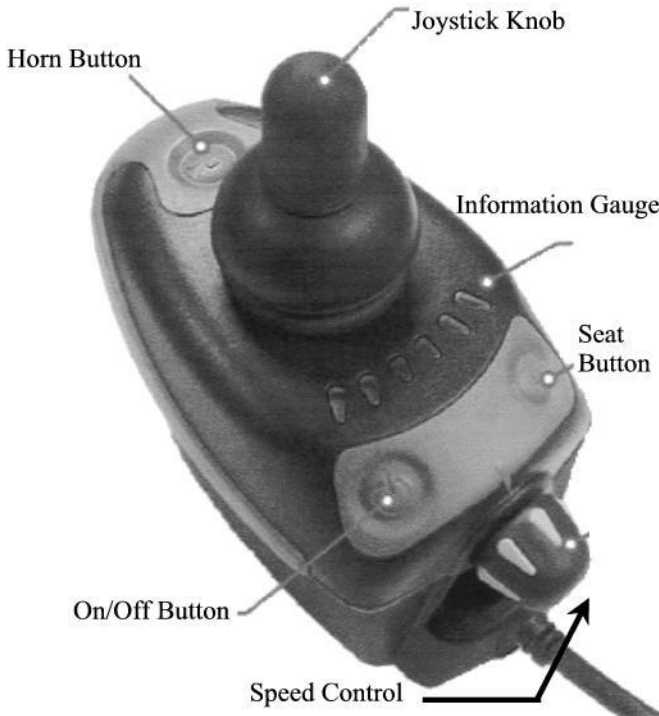
### Models

**DK – REMA - No Seat Functions**

**DK – REMB – Two Seat Functions**

### Controls

All user controls can be accessed from the simple, ergonomically designed panel on the Shark Control Unit





**DK – REMB shown**


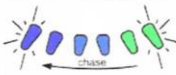

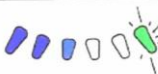
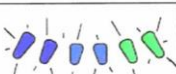
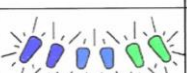

## The Shark Information Gauge

The Shark information gauge is the primary source of user feedback. It displays every possible status that SHARK may have, including;

- Shark Power On
- True state of battery charge, including notification of when the battery desperately requires charging.
  1. **Any green** LED's lit indicate well-charged batteries
  2. If only **amber and red** LED's are lit, the batteries are moderately charged. Recharge before undertaking a long trip.
  3. If only **red** LED's are lit, the batteries are running out of charge. Recharge as soon as possible.
- SHARK Lock Mode Countdown
- Program, inhibit or charge modes
- Fault indication (Flash Codes)

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.

Display	Description	This means...	Notes
	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.
	Right GREEN LED is flashing	SHARK is in SPEED LIMIT mode	The current state of battery charge will be displayed at the same time.
	All LED's flashing slowly	SHARK has detected an Out Of Neutral At Power Up (OONAPU) condition	Release the joystick back to neutral.
	All LED's flashing quickly	SHARK has detected a fault	SHARK uses Flash Codes to indicate faults. Refer to the Diagnostics section for further information about fault diagnostics.
	Two GREEN LED's on steady	The Control Unit is in Seat Mode	To toggle back to Drive Mode, press the Seat button. To control Seat Function 1, move the joystick in the forward or reverse direction, to control Seat Function 2 move the joystick left or right.

## Turning the SHARK On and OFF

### Turning the Power ON

- Press the Power Button
- All indicators will light briefly
- Either the current battery charge or Lock Mode will then be indicated

### Turning the Power OFF

- Press the Power button
- The LED's will turn off.



## **Sleep Mode**

Some Sharks may be supplied factory programmed with a **Sleep** feature that will automatically turn SHARK off if the joystick has not been moved within a certain period of time.

Sleep mode will not be entered while programming.

When Wakeup style has been set to 'Joystick and Buttons', pressing ANY button or displacing the joystick will bring the system out of Sleep mode.

When Wakeup style has been set to 'Buttons Only', pressing the On/Off button ONLY will bring the system out of Sleep mode.

**Note:** The SLEEP feature may be turned on or off, the method for bringing the system out of Sleep Mode can be changed, and the amount of time before Sleep mode is entered can be modified. This can only be done by using the Dynamic hand held programmer.

## **Driving the SHARK**

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.

For safety reasons, joystick movements are ignored when SHARK is first turned on.

Shark will slowly flash the information gauge to indicate this.

Simply release the joystick back to the neutral position and the error will disappear.

## **Adjusting the Speed**

A user may adjust the top speed of the powerchair to suit their preference or environment by turning the speed control dial.

Simply turn the dial fully clockwise to travel at top speed when the joystick is pushed fully forward. The top speed progressively reduces, as the dial is turned counter-clockwise.

Parameters such as acceleration and speed can be programmed to suit individual needs.

## **Using the HORN**

Press the Horn Button – The horn will sound for as long as the HORN button is pressed.

## **Using the Seat Button**

Press the seat button to toggle the unit between DRIVE and SEAT mode.

When in DRIVE mode, the battery gauge displays the current battery capacity and the joystick causes the chair to drive.

When in SEAT mode, the two GREEN battery LED's next to the seat button light to indicate the control unit is in seat mode. Moving the joystick now controls the seat functions. Please see image below.



**Note:** User should ensure proper mode is selected before attempting to drive or operate actuator.

### **Locking the SHARK**

Some SHARKS may be supplied factory programmed with a LOCK feature that prevents unauthorised people from turning SHARK on.

### **To LOCK Shark**

- While the power is ON, press and hold the POWER button for 2 seconds
- The display will turn off immediately
- After 2 seconds all LED's will flash briefly and the horn will sound a short beep.
- The powerchair will then turn off.

### **To UNLOCK Shark**

- While SHARK is locked, press the power button to turn shark ON.
- All LED's will flash briefly. The LED's will then perform a slow right to left countdown.
- Press the HORN button twice before the countdown is completed (approx 10 seconds)
- The current state of charge will be displayed and SHARK may be operated normally.

**Note:** If the user does not press the horn button twice before the countdown is complete, the HORN will sound a short BEEP and Shark will turn itself off. The sequence must be completed successfully before SHARK will drive again normally.

### **Charging SHARK**

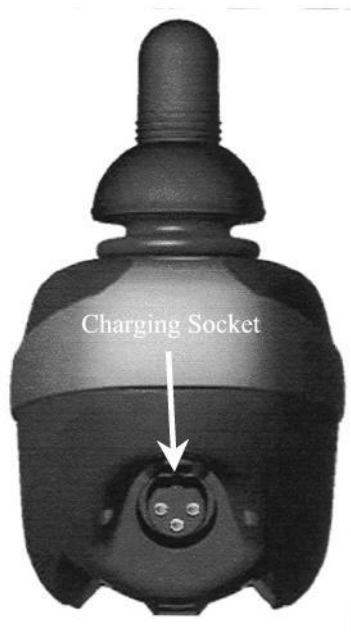
Plug the battery charger into the charging socket at the front of the SHARK Control unit. If the powerchair has an On-board Battery charger (OBC), simply plug the OBC power cable into an appropriate power outlet.

The SHARK Information Gauge will indicate the system is being charged by cycling between a left-to-right 'chase' and displaying the current battery state-of-charge.

Driving is prevented (inhibited) while the system is being charged.

Once the battery Charger displays a 'full' battery charge, the battery charger plug may be removed.

**Note:** If SHARK is turned off, or goes to sleep while charging, charging will continue. Although the SHARK Information Gauge will display an approximate battery level while charging, the Battery Charger should be used as the sole judge of charge completion.



## SECTION 11. PRECAUTIONS FOR CONTROLLER USE

The Dynamic and Penny & Giles controller has been designed with the user safety as the prime consideration. They incorporate many, sophisticated self – test features which search for potential problems. If the controller detects a problem either in its own circuits, or in the wheelchairs electrical system, it may decide to halt the wheelchair depending on the severity of the fault. The controllers are designed to maximise the user safety under all normal conditions.

In spite of their sophistication, the controllers cannot take into account, circumstances, which put the wheelchair or controller outside their specified operating conditions, and so it is important that the user follows the following precautions.

1. Do not drive the wheelchair:
  - Beyond restrictions indicated in the user manual.
  - In places or on surfaces where a loss of wheel grip could be hazardous, for example on wet grassy surfaces.
  - If the controller or other crucial components are known to require repair.

In the event of the wheelchair moving in an unexpected manner **release the joystick.** This action will stop the wheelchair under any circumstances.

2. Although the controllers are designed and manufactured to be extremely reliable and each unit rigorously tested, possibility of a system malfunction always exists (however small the probability). Under some conditions of detected system malfunction, the controller must (for safety reasons) stop the chair instantaneously. If the physical impairments of the user are such that a sudden braking action could result in a fall from the chair, it is advised that a restraining device be fitted.
3. It is recommended that a restraining device be used when operating the Power Chair.

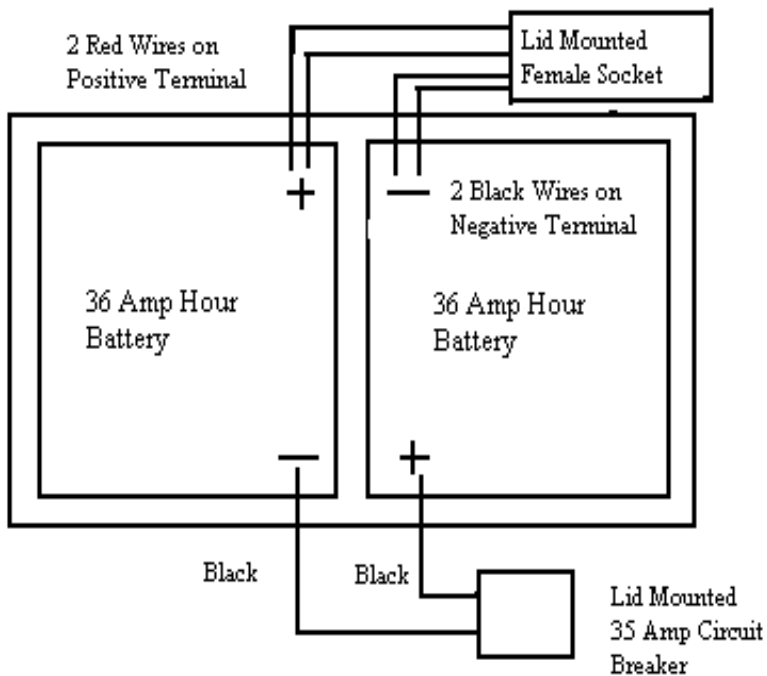
**WARNING: Penny & Giles and Dynamic Controls accept no liability for losses of any kind arising from unexpected stopping of the wheelchair or improper programming of the controller or improper use of the wheelchair or controller.**

## **SECTION 12. TRANSFERRING TO AND FROM YOUR POWER CHAIR.**

The Glide Rehabilitation Products Power Chair is designed in such a way that transferring in and out can be done with a minimum of fuss.

1. Armrests can either be dropped down or flipped back (depending on type specified when ordering) allowing easy lateral movement from either side of chair or for the fitting of a patient hoist sling.
2. If occupant is ambulant, or able to do standing transfers, removing swing away footplates will allow better placement of feet when standing or conversely, closer access to seat when transferring into chair. Where possible have someone assist you during the transfer.
3. You will need to learn safe transfer techniques from your health professional.
4. Always have chair as close as possible to chair that you are transferring to.
5. Ensure that the front castors are facing forward when transferring.
6. If your chair is fitted with Power Operated Seat Tilt or Recline functions, ensure that they are in the down and upright position before attempting to transfer.
7. Ensure that your wheelchair brakes are applied

## SECTION 13. BATTERY WIRING DIAGRAM



**2 x 36Amp Hour Sealed Deep Cycle Batteries**  
**Consult your Glide Products agent when replacement is required.**

## SECTION 14. SPARE PARTS

### User Serviceable Parts

#### TYRES

8" Pneumatic Front (200 x 50)	Part Number – 202602
9" Pneumatic Front (2.80/2.50)	Part Number – 202604
10" Pneumatic Front (260 x 85)	Part Number – 202670
12 ½ x 2 ¼ Wheel (Narrow)	Part Number – 202615
4.10/3.50 – 6 Wheel (Wide)	Part Number – 202663

#### TUBES

8" Front	Part Number – 202492
9" Front	Part Number – 202504
10" Front	Part Number – 202566
4.10/3.50 – 6 Wheel	Part Number – 202567
12 ½ x 2 ¼ Wheel T.P.	Part Number – 202501

#### CASTOR PINTLE AXLE ASSEMBLY

1. Dust Cap	Part Number – 62021
2. Top & Bottom Bearings	Part Number – 20018
3. Pintle Axle	Part Number – 620046
4. Top 12mm Nyloc Nut	Part Number – 783846
5. Castor Fork 8"	Part Number – 20073
6. Castor Fork 9"	Part Number – 20079
7. Castor Fork 10"	Part Number – 20078
8. Castor Wheel 8"	Part Number – 20121
9. Castor Wheel 9"	Part Number – 20128
10. Castor Wheel 10"	Part Number – 20127
11. Castor Wheel Bearings 8", 9", 10" Wheels	Part Number – 20014
12. Bearing Spacer 8" Wheel	Part Number – 60622
13. Bearing Spacer 9" & 10" Wheel	Part Number – 606301
14. Spacer Washers	Part Number – 7827
15. Castor Wheel Mounting Bolt 8"	Part Number – 78745
16. Castor Wheel Mounting Bolt 9" & 10"	Part Number – 7878
17. Nyloc Retaining Nut	Part Number – 783841

## **SECTION 15. WARRANTY**

Lendal Pty Ltd (trading as Glide Rehabilitation Products) warrants the following as listed:

### **Controllers**

12-months warranty

Controllers and associated hardware will be repaired where possible. Replacement will only occur if repair is not practical or not possible.

### **Motors/Gearbox**

12-months

Automatic replacement within six months of invoice. There afterwards, unit must be returned for evaluation and possible repair before replacement.

### **Actuators**

12 months warranty.

Automatic replacement within six months of invoice. There afterwards, unit must be returned for evaluation and possible repair before replacement.

### **Frame**

5-year warranty

Frame will be replaced within the first twelve month period. Thereafter, Glide will extend the warrant for further four years and will either replace or repair frame.

### **Upholstery**

6 month warranty

This will cover against defects in materials or workmanship. Warranty does not cover against normal wear or damage.

### **Tyres and Tubes**

No Warranty

### **Spare Parts**

All spare parts sold will have a 6 months warranty period from date of purchase.

This warranty does not extend to parts or electrical components damaged by misuse, neglect, accident or improper installation, nor those tampered with, altered or serviced by an agency not authorised by Lendal Pty Ltd.

The foregoing in lieu of all other warranties expressed, implied or statutory, Lendal Pty Ltd's sole liability shall be to repair or replace parts of components as specified above.



## **IMPORTANT**

1. Lendal Pty Ltd (trading as Glide Rehabilitation Products) does not warrant either expressly or impliedly the suitability of the Glide Series 6 electric wheelchair for the purchaser or any intended user. Purchasers and intended users are advised that advice from an appropriate registered medical practitioner should be obtained prior to using an electric wheelchair.
2. Except insofar as is prohibited by statute, Lendal Pty Ltd shall not be responsible for damage, injury or loss of any kind to any property or person howsoever caused arising from or in connection with the Glide Series 8. All conditions and warranties that (but for this provision) would be implied in favour of, and all rights and remedies that (but for this provision) would be conferred upon the purchaser or other persons against Lendal Pty Ltd arising under or as a result of the Trade Practices Act 1974, any other legislation or the general law are excluded and limited to the maximum extent possible and in cases where Lendal Pty Ltd's liability cannot be completely excluded but may be limited, the liability of Lendal Pty Ltd is limited to one of the following (at the option of Lendal Pty Ltd)
  - a) The replacement of the Glide Series 6 or the supply of an equivalent wheelchair
  - b) The repair of the Glide Series 6
  - c) The payment of the cost of replacing the Glide Series 6 or of acquiring an equivalent wheelchair
  - d) The payment of the cost of having the Glide Series 6 repaired



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