

GALAXY POWERCHAIR

TopGun
Mobility
WHEELS FOR LIFE



USER MANUAL

AUTHORISED TOP GUN MOBILITY AFTER SALES SERVICE

We have ensured that your new Top Gun Mobility Powerchair is ready to deliver! Every member of our Team is dedicated to Customer Satisfaction. By making contact with the following personnel, you will be assured of Prompt and Efficient After Sales Service.

Sales : _____

Service : _____

Spare Parts : _____

RETAILER STAMP :

WARNING

Please read the Owner's Manual carefully before operation. If you do not fully understand any part of the Manual, please contact your retailer so as to avoid any injury or damage from misuse. Electromagnetic Interference ("EMI") can cause powered vehicles to behave erratically, which can be dangerous to the user. For your Safety & Protection, it is IMPERATIVE that you take the time to read the Chapter on EMI prior to operating your Top Gun Mobility Powerchair.

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INTRODUCTION

CONGRATULATIONS on the purchase of your new Top Gun Mobility Powerchair. We are excited to provide you one of our Innovative Mobility Powerchairs. Our Powerchairs are designed to provide personal freedom, as well as Convenience, Comfort and the Assuredly High-Performance level combined with a long-life cycle.

This Owner's Manual contains important information concerning the proper maintenance and safe operation of your Mobility Powerchair. Please read this manual thoroughly and carefully prior to operating your new Mobility Powerchair to familiarise yourself with all operation instructions.

The Galaxy can be used in confined spaces, both inside and out which makes it a truly versatile little unit. A direct drive rear transaxle and electromagnetic brake give a safe and efficient ride.

INTENDED USE

The Galaxy is intended for indoor or outdoor use in pedestrian areas by a single individual with limited mobility, up to a safe working load of 136kg. It is intended to be used by those suffering from some disability or impairment which prevents a normal level of personal mobility.

The acute manoeuvrability prohibits the use by persons who are severely physically impaired or those who have balance difficulties. Your assessor/health care professional will determine the suitability of the Powerchair for each individuals' intended use.

Note : Persons with lower body amputations should not use this device unless evaluated with artificial limbs fitted, as stability may be compromised due to an irregular centre of gravity.

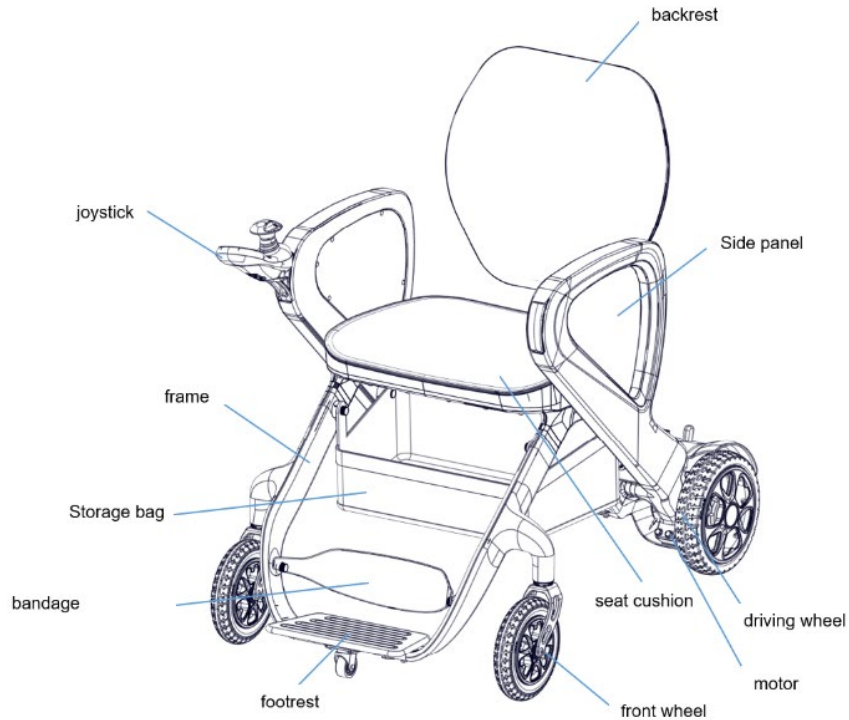
Read and follow all instructions, warnings, and notes in this manual before attempting to operate your power Powerchair for the first time. If there is any information in this manual which you do not understand, or if you require additional assistance for assembly or operation, please contact your authorized local dealer. Using your product safely depends on whether you strictly follow the warnings, attentions and operating instructions in this manual. The company shall not be responsible for any injury or damage caused by non-compliance with the warnings, attentions and operating instructions.

These symbols below in this manual are used to identify warnings and important information. All of them are very important to your safety. It is strongly recommended that you should read and understand them completely.

MODEL FEATURES & SPECIFICATIONS

GALAXY

The Power Powerchair is mainly composed of front wheel, driving wheel, frame, controller, motor, armrest, backrest, seat cushion, footrest, battery box and charger.



SPECIFICATION TABLE

	GALAXY
Weight without Batteries	16kg
Safe Working Load (SWL)	136kg
Motor Power	250W Brushless x 2 PCS
Charger Size	2A
Battery (Lithium)	17Ah
Turning Radius	77cm
Maximum Speed (km/h)	6KM/H
Wheel Size - Front	6.8" PU Solid Tyre
Wheel Size - Rear	8.2" PU Solid Tyre
Anti Tip Wheels	1.7" PU Solid Tyre
Seat (W x H)	44.5 x 42cm
Seat Height	50cm
Armrest Height (From the seat)	21cm
Backrest (H x W)	43 x 42.5cm
Controller	Brushless 35A, Digital Panel
Ground Clearance	3.5cm (+ / - 2.5cm)
Maximum Climbing Grade	Between 6-8° (subject to user weight & surrounding conditions)
Braking Distance	150cm
Dimensions (L x W x H)	98 x 58 x 88.5-92.5cm
Folded Dimensions (L x W x H)	53 x 58 x 87cm

PERFORMANCE

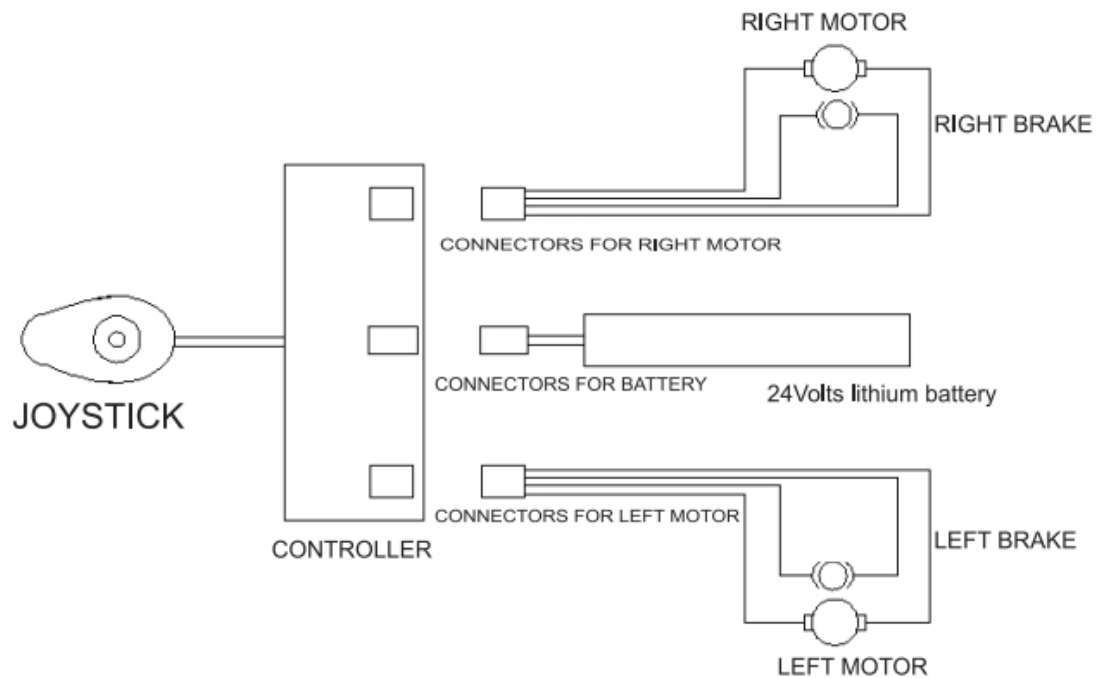
Product characteristics of the power powerchair

- Classification by anti-shock type: Powerchair is internal power supply.
- Classification according to the degree of anti-shock: Powerchair belongs to the B-type application part.
- Classification according to the degree of protection of the feed: IPX4.
- Safety degree when used in flammable anesthesia mixed with air or flammable narcotic with oxygen or oxidized nitrogen Category: Non-AP or APG equipment.

By operating mode: continuous operation.

- Powerchair rated voltage and frequency: DC 24V;
- Input power of Powerchair: internal power supply equipment; · Whether the Powerchair has a protective effect on defibrillation effect: No.
- Whether the Powerchair has a signal output and input part: No.
- Permanent installation of equipment or non-permanent installation of equipment: mobile devices.

Electric diagram of power powerchair



Note:

- 1)The safe working load is tested with a dummy or personnel of same weight.
- 2)Maximum Potential Range is tested on flat road with average speed, it will vary due to drive surface, operation habit, etc.
- 3)Tolerance for Dimension is $\pm 10\%$, For weight is $\pm 1.5\text{kg}$.

In addition, the Galaxy powerchair has been validated to conform to the following standards:

Test performed	Applicable Standard	Conform to? (Yes/No)
Static, impact and fatigue strengths	ISO 7176-8:2014	Yes
Climatic tests	ISO 7176-9:2009	Yes
Power and control systems	ISO 7176-14:2008	Yes
Resistance to ignition	ISO 7176-16:2012	Yes
Batteries and chargers	ISO 7176-25:2013	Yes

ASSEMBLY | ADJUSTMENT | FOLDING

ASSEMBLY

1.Take the Powerchair out of the shipping carton, remove the relevant packaging materials, and place it upright on the ground.

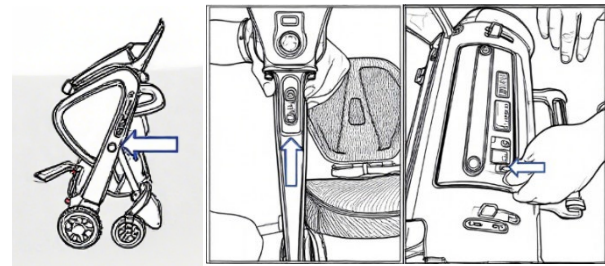
2.Make the Powerchair slightly backward, then press the button on the right side of the frame (The button indicated by the arrow in fig.3). During unfolding, the front wheel will move forward automatically, until the completed unfolding.

3.Take out the controller from the small carton box, use a 4mm hex wrench to install it into the front end of the armrest and lock it tightly. The controller can be installed to the left or right side according to personal habits.

4.There is a battery power switch on the battery case. Press and hold the battery switch for 5 seconds to turn on the power, and the same operation applies to turn off the power.

5.After the power is turned on, please make sure the motor is in electric mode. Then press the power button of the controller. The Powerchair is ready to drive.

6.Fasten the safety seat belt when driving.



ADJUSTMENT

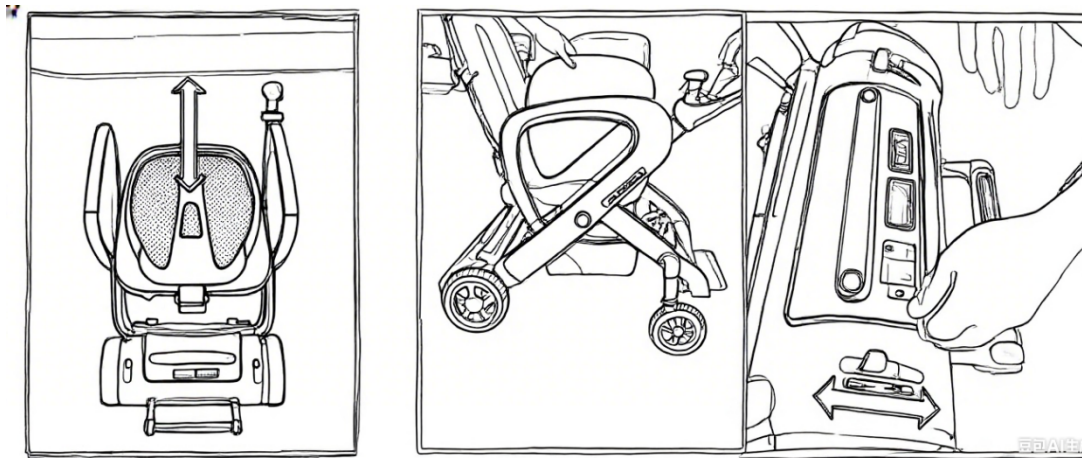
The backrest can be adjusted by pulling it up and down.

The side panels of armrests are magnetic connection. Both can be removed.

Brake lever

Each motor has one brake lever. When the lever is pushed at location A, the Powerchair will be in electric mode, which will only be operated by power.

When the lever is pushed at location B, the Powerchair will be in manual mode, which will only be pushed by hand.



WARNING!

When the Powerchair is in manual mode, do not use your Powerchair unless you get help from your assistant. Otherwise, it may result in personal injury. Do not set your Powerchair in manual mode when it is on an incline. Otherwise, the Powerchair could be out of control to roll down by itself, and result in personal injury.

FOLDING:

1. Push down the backrest to the lowest position and fold it down.
2. Step on the anti-tipper frame and press the button on the right side of the frame at the same time.
3. Pull the armrest backward. A "click" sound heard means the folding is completed.
4. The safety seat belt under the seat can be rolled up for easy storage.
5. The Powerchair can be used as a walker after folding.

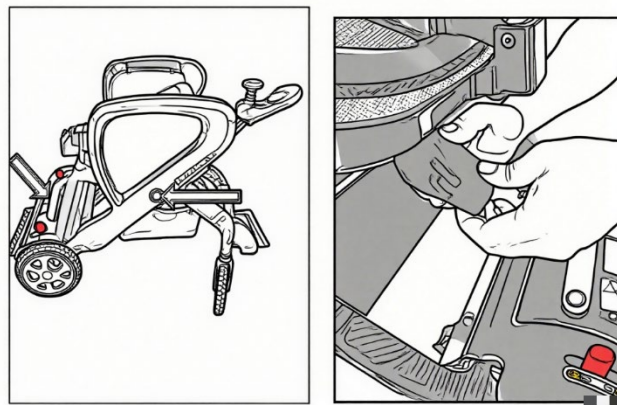
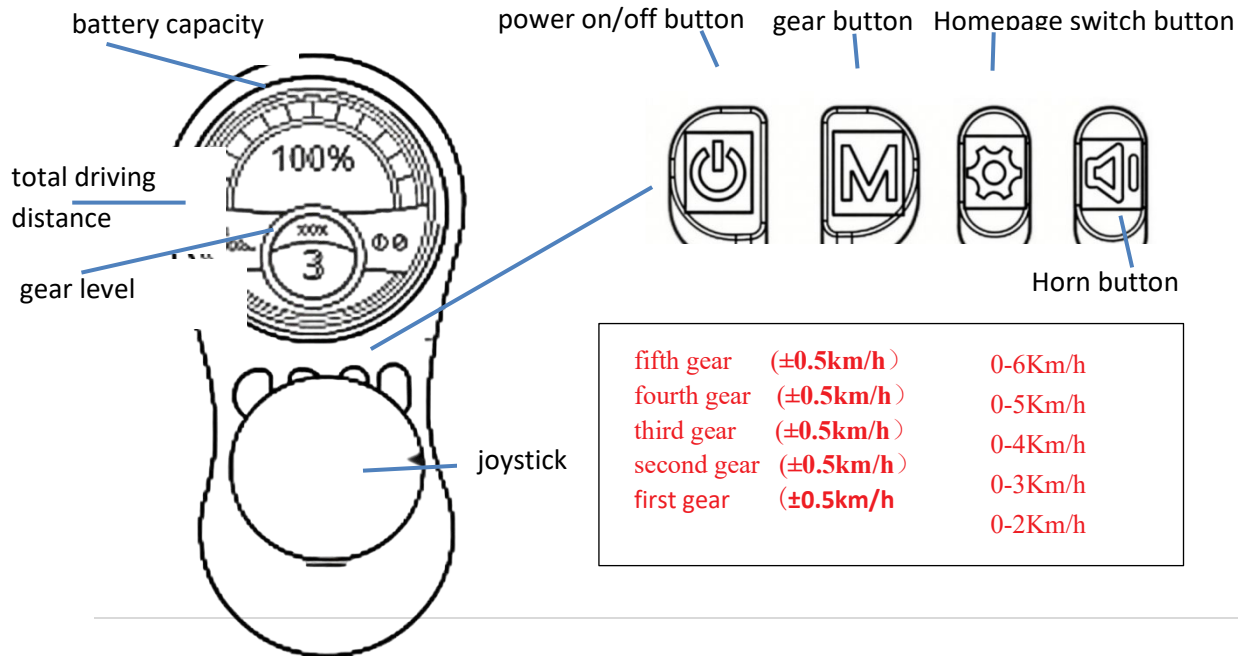


fig.9

USE AND OPERATION OF CONTROLLER

Use

The controller includes the power on/off button, gear button, homepage switch button, horn button and joystick. (fig.10)



Power on/off button: The button is the power supply switch for the control system. Press the button on to turn on the power, the controller's screen will light up and display the corresponding content. Press the button off to turn off the power, the controller's screen will light off.

Gear Button: Press the gear button; the current gear level will be indicated on the screen. Each time this button is pressed, the gear increases by 1 level. The maximum gear is 5, and the minimum gear is 1. (When the current gear is 5, pressing the button will switch the gear level to 1.) When the Powerchair is moving, the screen shows the current actual speed.

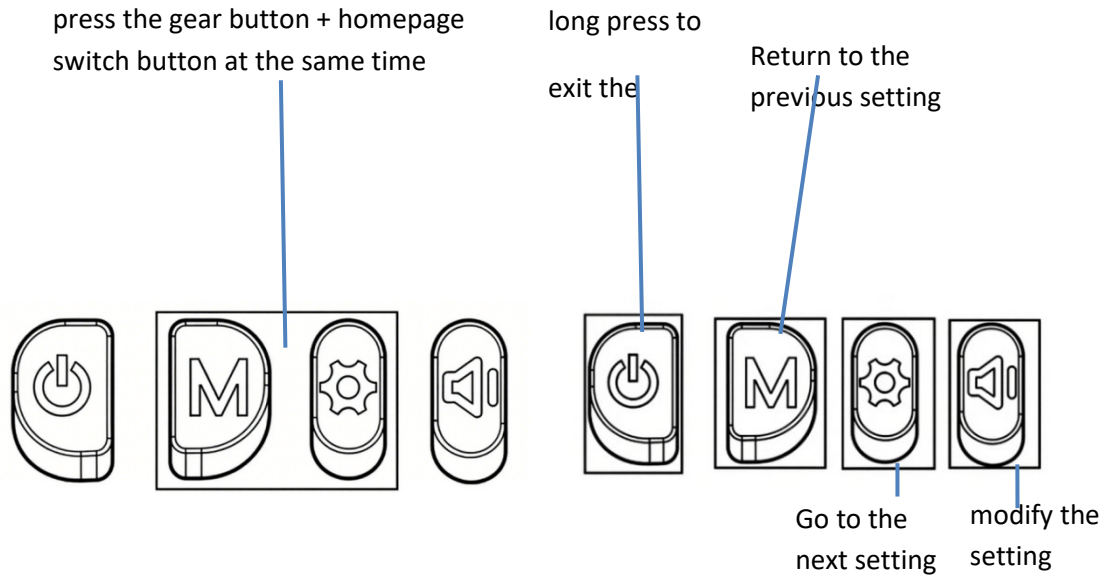
Battery capacity: at the top of the controller screen shows the current actual battery capacity. Additionally, the battery level display on the screen will be changed to different color as the battery level decreases. When the battery level drops below 40%, the indicator turns yellow to remind the user.

Joystick: The joystick is mainly used to control the movement of the Powerchair, including control the Powerchair's speed and direction (such as forward, backward, left, right, etc.). The farther the joystick deviates from the center position, the faster the Powerchair moves. Whenever the joystick is released, it will automatically return to the center position, and the brake will activate automatically to stop the Powerchair from moving.

Settings page

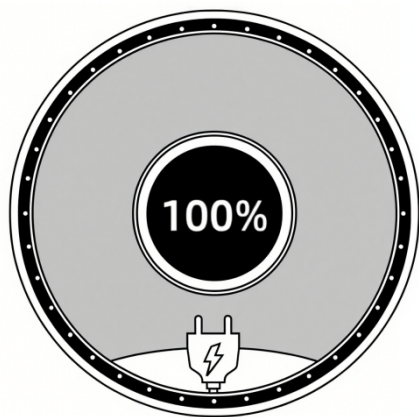
Composite button function work: press and hold two buttons for more than 3S, the composite button function works. Please set and switch each page according to the function of button and the personal demands as shown in the figure below:

Remark: After no action on the setting page for 10S will switch to the homepage automatically.

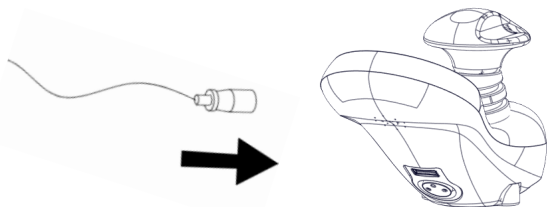


Screen light off after 5 minutes of inactivity. Light on the screen by shaking the joystick.

Charging page (connecting to the charger)



Charger plug: It is only used to this Powerchair. Do not use the plug to any other electrical equipment. Otherwise, it may damage the Powerchair's control system or its E.M.C performance (Electromagnetic tolerance).



WARNING! Avoid any accessories that may intervene the operation of joystick. Otherwise, the Powerchair may move accidentally.

WARNING! If your Powerchair moves accidentally, please immediately release the joystick and the chair will stop automatically.

CAUTION! If you connect any devices other than the supplied battery charger into the socket, causing damage to the control system, then the warranty is invalid.

Batteries and Its Usage

Fully charge your new battery prior to its initial use. This brings the battery up to about 90% of its peak performance level; Give the battery another full charge of 4-6 hours and operate your Powerchair again, the batteries will now perform at over 90% of their potential; After four or five charging cycles, the batteries will top off at 100% charge and last for an extended period. Please replace the new battery when the battery failure, and the old battery must be returned to supplier because of environmental pollution.

CAUTION! Do not use your Powerchair when the temperature is less than -25°C or above 50°C.

Charging batteries

The battery charger is an important part of the Powerchair. The off-board charger attached to this product can charge its batteries quickly and easily to make your Powerchair the best.



CAUTION! Do not use your Powerchair when the temperature is less than -25°C or above 50°C.

Charge the battery with charger. Connect charger to charging port on controller.



WARNING! Please charge the battery at environment temperature 0-35°C. Otherwise, it will cause personal injury and battery damage.

Safety Belt

For your safety on the way, you must fasten the safety belt whenever you seat on the Powerchair.

Snap the belt buckle so to hear a click.



WARNING! Please do not operate the Powerchair while charging.

ATTENTION! Please do not mix up the new and used batteries.

ATTENTION! Please replace it with battery of same type, chemical substances and capacity. Please select the battery type and capacity per specification in the manual. Please use the replacement battery directly provided by the authorized supplier(s) to ensure performance and function.

ATTENTION! Please protect the battery from freezing; Please do not charge the frozen battery, otherwise the battery may be damaged.

Battery replacement

If the battery needs to be replaced, release the battery pack buckle underneath the seat then take it out. The battery must be in accordance with below

specification:

Type	Lithium Battery
------	-----------------

Dimension	290*110*100mm
Voltage	24V

Operation

Preparation before operation

- Do not turn on the power switch when sit on the power Powerchair and do turn off the power switch when get off from the Powerchair. Please observe whether the brake works or not.
- Please fold the pedal first then hold the armrest to sit on the Powerchair; Do not get off the Powerchair by stepping on the pedal. Otherwise, the chair may be turned over, which is dangerous.

Practice before operation

- Find a spacious place like square and have an assistant to help you practice until you have enough confidence to operate it.
- Be certain to shut down the power when you up and down the Powerchair, and set the speed you need through speed adjustment button.

- We recommend you set the lowest speed until you can operate the electric Powerchair skillfully.

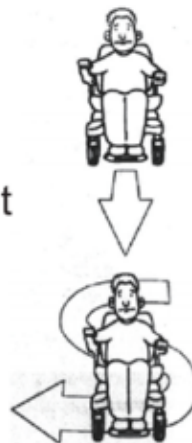
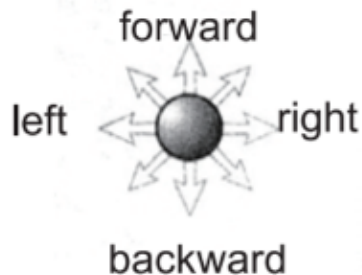
● To Practice the stop operation, forward and backward. Push the handle, the Powerchair moves to anywhere you want.

● Firstly, ensure that it is the lowest speed when practicing forward operation. After Skilled, you can practice "S" shaped turn. After you are familiar with "S" shaped turn, practice backward operation, and pay attention to the speed control setting. And the backward speed should be lower than forward speed.

(As shown below)



WARNING! Do not press the joystick hard by hand when getting on/off the Powerchair to avoid any accident (fig.15)



WARNING! Do not use your Powerchair unless you get help from your assistant when the Powerchair is in manual mode. Otherwise, it may result in personal injury.

Do not set your Powerchair in manual mode by yourself while you are seated in the Powerchair. Otherwise, it may result in personal injury. In this case, please ask your assistant to help you.

Do not set your Powerchair in manual mode when it is on an incline. Otherwise, the Powerchair could be out of control to roll down by itself, and result in personal injury.

Getting on/off the Powerchair

- Turn off the power and switch on the motors' brake.
- Move the Powerchair as close as possible to your transfer position. When transferring the body weight, lean the body back to the greatest extent to reduce the risk of leaning forward. If your upper body has strength, balance and agility, you may be able to transfer independently.
- Move the arm rests and footrest out of the way before entering & exiting the chair.
- We recommend that the user has assistance getting into & out of the chair.



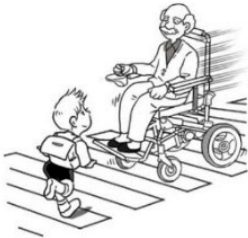
WARNING! When you are ready to seat in the electric Powerchair, you must turn off the power. Otherwise, if you touch the joystick, it may lead to unexpected movement of the Powerchair.

Driving



Sidewalk Driving

The user should stay on the sidewalk and avoid entering the motor vehicle lane unless to cross the street. Pay attention to obstacles and avoid contact with them.



Crossing Crosswalk

Pay attention to avoid cars and only cross when you are allowed to. Must drive slowly over the curb, to get back on the sidewalk, which should not be higher than 40 mm.

CAUTION





Crossing the Road

- Pay attention to traffic light switching time when crossing the road. Otherwise, it may lead to endangering personal safety.
- Nursing person should be accompanying while the user is crossing the road.



Be more carefully

- When driving reverse, drive as slow and steady as possible.
- Keep an eye on what's behind you and make sure the path is clean.
- Nursing person should be accompanying while the user is driving reverse.





- Front wheels unlocked, Powerchair forward tipping angle is 9°.
- Rear wheels locked, Powerchair rearward tipping angle is 9°.
- Rear wheels unlocked, Powerchair rearward tipping angle is 9°.
- Left and Right lateral orientation of least stability is 9°



Driving uphill

- Keep your body tilted forward to keep the center of gravity slowly. We recommend the slope be less than 6 degrees for performance.

The maximum uphill slope is 6°.



stable. Drive optimal



Driving downhill

- Make sure the electromagnetic brake is switched on before downhill. Otherwise it may lead to personal injury.

The maximum downhill slope is 6°.



driving



- Anti-tip tipping wheels angles is 19.6°
- Driving over too high of a curb/step could result in rollover.
- Driving on too steep incline could also result in a rollover.



Across Steps

Maximum obstacle height that can be climbed and descended, operation 40 mm



reference

- Slowly driving across the step. The step should not be higher than 40mm.



Back Across Steps

Maximum obstacle height that can be climbed and descended, recommended operation 40 mm.



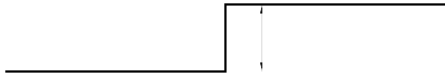
manufacturer's

- Slowly driving across the step. The step should not be higher than 40mm.

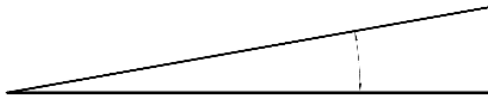
The device provides driving stability under a wide range of conditions.

However, it cannot be driven under the following road conditions.

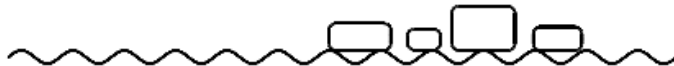
- Step higher than 40mm



- Slopes with a gradient of 6° or more



- Soft surfaces such as sand and mud, grass and gravel roads, and snow roads and frozen roads.

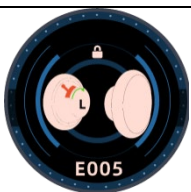


FAULT AND OPERATION OF CONTROLLER

FAULT ANALYSIS AND TROUBLESHOOTING

For your convenience, this Powerchair is equipped with an automatic fault warning device. Once it is out of order, the controller panel will display the pattern and the horn will sound. You can find where the fault is according to the table below. If the fault persists after checking, please contact your service agent.

	Joystick failure	Check the cable of joystick connection. Make sure it is connected properly and incorrectly.
	Hall fault of the left motor	Check if the cable of joystick is properly connected and reset to the center position.

	Hall faults of the left and right motors	Check if the cables of left and right motor are properly connected
	Hall fault of the right motor	Check if the cable of right motor is properly connected;
	Electromagnetic brake of left motor fault	Check if the electromagnetic brake of left motor is closed;
	Electromagnetic brake of right motor fault	Check if the electromagnetic brake of right motor is closed;

	Electromagnetic brakes of left and right motor fault	Check if the electromagnetic brakes of the left and right motors are closed
	BMS communication fault	If communication is fault, please check the controller or the battery need to be replaced or not.

ATTENTION!



In order to ensure the quality of Powerchair, during the maintenance, if any consumable parts such as battery, wheels, joystick, motor/actuator and charger need to be replaced, please contact this company or dealer, replacing the original parts of same model and specification.

MAINTENANCE AND REPAIR

Maintenance

Like other motorized vehicles, your power Powerchair also requires routine maintenance. Some checks can be performed by yourself, others you can ask for assistance from your service agent. Preventive maintenance is very important. If you follow the maintenance and checks in this section, your Powerchair will give you years of trouble-free operation. For any questions regarding the maintenance or operation of the Powerchair, please contact your dealer or our after-sales service dept.

Humidity

Your Powerchair, like most electrical and mechanical equipment, is susceptible to external conditions. In any case, the Powerchair should be avoided in a damp environment. Direct or prolonged exposure to water or dampness could cause the Powerchair to malfunction electronically and mechanically. Water can cause electrical components to corrode.

Temperature

- Some parts of your Powerchair are susceptible to temperature.
- Some parts of your Powerchair are susceptible to temperature.
- In extremely cold temperatures, the battery may be frozen. Special temperatures may cause a lot of factors to freeze, like charger type, usage, battery components (such as sealed lead-acid batteries or gel batteries);

- Temperature above 55° may cause your Powerchair's speed to reduce.

Regular guidance

- Avoid beating the controller, especially the joystick.
- Avoid prolonged exposure of your Powerchair to extreme conditions, such as hot, cold or moisture environment.
- Keep the controller clean.
- Check all electric connections, including the cable and connectors of the charger, and ensure that they are all tight and secure.
- If only red LEDs on the Battery Gauge lights, the batteries are nearly running out of charge. You should recharge the batteries as soon as possible. We recommend charging the battery for 8-12 hours.
- The frame surface has been sprayed with a clear sealant coating. You can apply a light coat of car wax to make the surface keep high gloss.
- Check all cable connections. Make ensure they are fastened and are not corroded. The battery must be placed in the battery area, flat, the battery plug inward, relative display, refer to the correct connection on the main frame label.
- All wheel bearings are lubricated and sealed. Do not need to lubricate them.

- Check if there is loose phenomenon for wheel hub, drive device, and chair itself, if loose, please screw tightly in time.

Maintenance after use

- Turn off the power.
- Inhibit children and unconscious persons to use the Powerchair.
- Store the Powerchair in normal temperature to prevent deformation so that it keeps its performance for long period.
- Clean the Powerchair with a clear and soft cloth and dry it. Never use any chemicals to clean it. (to prevent deformation and discoloration).
- Remove the cloth cover of the seat rest to be washed if it is dirty and then dry it for use.

Daily Checks

In order to keep the Powerchair always in good condition, you should check it before each use and keep weekly, monthly, semi-annual check. See the table below for the inspection items.

Inspection Items	At any time	Weekly	Monthly	Semi-annual
Each part			⊙	
Turning,driving, setting, dismantlement,etc		⊙		
brake	⊙			
Connecting lines		⊙		
Battery condition	⊙			
Tire Condition			⊙	
Motor				⊙
Devices		⊙		
Cleanliness	⊙			

Cleaning

Way of cleaning as below:

- Never wash your Powerchair with water or expose directly to water.

- Surface of Powerchair frame is coated with a protective coating. Therefore, it is very easy to wipe it clean with a damp cloth. Never use any chemicals to clean the vinylon seat and armrest, as they may cause the latter slip or chapped. You can use a damp cloth and neutral soapy water to clean them, and then dry thoroughly.

Repair

Users could repair or replace some spare parts like push handle, push handle cover which could be self-maintained or replaced under the instructions of after-sales service staff of our corporation or the dealers’.

Within the warranty, our corporation or the dealers will maintain or replace the faulted spare parts, like motor, battery, charger, controller, bearing, shaft sleeve, etc., due to material or manufacturing defects free of charge.

The spare parts like motor, controller, etc. which are confirmed by the after-sale staff or our corporation or our dealers’ to be dissembled could be sent to our corporation or the dealers for maintenance.

Please contact your distributor or the after-sale service dept of our corporation for any questions regarding the maintenance of power Powerchairs.

ATTENTION!

In order to ensure the quality of Powerchair, during the maintenance, if any consumable parts such as battery, wheels, joystick, motor/actuator and charger need to be replaced, please contact this company or dealer, replacing the original parts of same model and specification. The repair should be carried out at the professional maintenance room of your dealer(s).

TRANSPORTATION AND STORAGE

Transportation

You can load and transport according to the shipping marks and graphics on cartons. For details, see the attachment.

Storage

Your Powerchair should be stored in a clean indoor environment with relative humidity $\leq 80\%$, temperature between 0°C ~ 50°C , good ventilation and free from corrosive gas. Remove the battery from the Powerchair prior to storage. Otherwise, the frame may rust and the electronics may be damaged.

Working temperature and humidity

Your Powerchair should be stored in a clean indoor environment with relative humidity $\leq 80\%$, temperature between 0°C ~ 40°C , Atmospheric pressure range: 700hPa ~ 1060hPa .

GENERAL GUIDANCE

Check all connections and ensure that they are all tight and secure.

Check all cable connections, including the cable connection of the charger. Make sure they are firmly fastened and not corroded. The battery pack must be correctly installed into the slide rail.

After each use, the power switch should be turned off in time to reduce unnecessary consumption of the battery.

The Powerchair has power-saving function. If no operation to the Powerchair within 20 minutes, the controller would cut off the power automatically. If need to continue operating this Powerchair, please turn it on again.

All wheel bearings are lubricated and sealed. No need to lubricate them.

Avoid knocking or hitting the control units;

Avoid prolonged exposure of your Powerchair to extreme conditions, such as hot, cold or moist environment; keep the controller clean.

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Avoid prolonged exposure of your Powerchair to extreme conditions, such as hot, cold or moist environment; keep the controller clean.

Check all connections, and ensure that they are all tight and secure.

Check all cable connections, including the cable connection of the charger. Make sure they are firmly fastened and not corroded. The battery pack must be correctly installed into the slide rail.

After each use, the power switch should be turned off in time to reduce unnecessary consumption of the battery.

The Powerchair has power-saving function. If no operation to the Powerchair within 20 minutes, the controller would cut off the power automatically. If need to continue operating this Powerchair, please turn it on again.

All wheel bearings are lubricated and sealed. No need to lubricate them.

Avoid knocking or hitting the control units;

Avoid prolonged exposure of your Powerchair to extreme conditions, such as hot, cold or moist environment; keep the controller clean.

Check all connections and ensure that they are all tight and secure.

Check all cable connections, including the cable connection of the charger. Make sure they are firmly fastened and not corroded. The battery pack must be correctly installed into the slide rail.

After each use, the power switch should be turned off in time to reduce unnecessary consumption of the battery.

The Powerchair has power-saving function. If no operation to the Powerchair within 20 minutes, the controller would cut off the power automatically. If need to continue operating this Powerchair, please turn it on again.

SAFETY OPERATIONAL INSTRUCTIONS

General

MANDATORY! Do not operate your new Mobility Powerchair for the first time without reading and understanding this user manual completely.

Your Mobility Powerchair is a state-of-the-art life-enhancement device designed to increase mobility. We provide an extensive range of products to best fit the individual needs of the user. Please be aware that the final selection and purchasing decision regarding the type of Mobility Powerchair to be used is the responsibility of a user who is capable of making such a decision and of his or her healthcare professional (i.e., medical doctor, physical therapist, etc.)



The contents of this manual are based on the expectation that a mobility device expert has properly fitted the appropriate model Powerchair to the user.



Healthcare Professionals and/or the authorized retailer to give instructions for the use of the product.

There are certain situations, including some medical conditions, where the user will need to practice operating the Powerchair in the presence of a trained attendant. A trained attendant can be defined as a family member or care professional specially trained in assisting a user in various daily living activities.

As you begin using your Powerchair during daily activities, you will probably encounter situations in which you will need some practice. Simply take your time and you will soon be in full and confident control as you manoeuvre through doorways, on and off elevators, up and down ramps, and over moderately rough terrain.

Modifications

We have designed and engineered your Mobility Powerchair to provide maximum mobility and utility. Under no circumstances should you modify, add, remove, or disable any feature, part, or function of your Powerchair.



WARNING! Do not modify your Mobility Powerchair in any way not authorized by the manufacturer. Do not use accessories if they have not been tested or approved by the manufacturer.

Removable Parts



WARNING! Do not attempt to lift or move your Mobility Powerchair by any of its removable parts, including the armrests, seat, or shroud.

Weight Restrictions



Your Powerchair is rated for a maximum safe working load. Refer to Specification sheet for details. Stay within the specified safe working load for your Powerchair. Exceeding the safe working load voids your warranty. We will not be held responsible for injuries and/or property damage resulting from failure to observe weight limitations.

WARNING! Do not carry passengers on your Powerchair as it may result in instability.

Pre-Drive Safety Check

Get to know the feel of your Mobility Powerchair and its capabilities. We recommend that you perform a safety check before each use to make sure your Powerchair operates smoothly and safely.



Perform the following inspections prior to using your Powerchair:

- Check for proper tyre inflation. Maintain but do not exceed the psi/bar/kPa air pressure rating indicated on each tyre.
- Check all electrical connections. Make sure they are secure and not corroded.
- Check all harness connections. Make sure they are secured properly.
- Check the brakes.
- Check the battery charge.
- If you discover a problem, contact your authorised retailer for assistance.

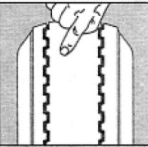
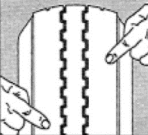
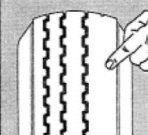
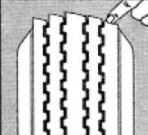
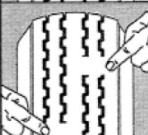
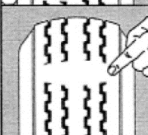
Tyre Inflation

Your Powerchair is equipped with pneumatic tyres. Check the tyre pressure at least once a week. Proper inflation pressures will prolong the life of your tyres and help ensure smooth operation.



WARNING! It is critically important that the psi/bar/kPa air pressure is maintained at all times. (Generally, between 20-25psi) Do not under-inflate or over-inflate your tyres. Under-inflation may result in loss of control, and over-inflation may burst the tyre.

WARNING! Inflate your Powerchair tyres from a regulated air source with an attached pressure gauge.

	Condition	Possible Cause	Remedy
	Even Center Wear	Over Inflation	Check & Adjust Pressure When Cold
	Inside & Outside Wear	Under Inflation	Check & Adjust Pressure When Cold
	Smooth, Side Wear - One Side	Loss of Camber or Overloading	Check & Unload As Necessary Have Alignment Checked
	"Feathering" Across The Face	Axle Not Square To Frame or Incorrect Toe In	Square Axles Have Alignment Checked
	Cupping	Loose Bearings or Wheel Balance	Check Bearing Adjustment and Wheel & Tire Balance
	Flat Spots	Wheel Lockup	Adjust Brakes

WARNING!

Failure to maintain the suggested pressure rating at all times may result in uneven and rapid tyre wear and possibly tyre/wheel failure.

If you have any doubts as to correct tyre pressure or you see these wearing patterns, please contact your local Powerchair supplier.

Incline Information

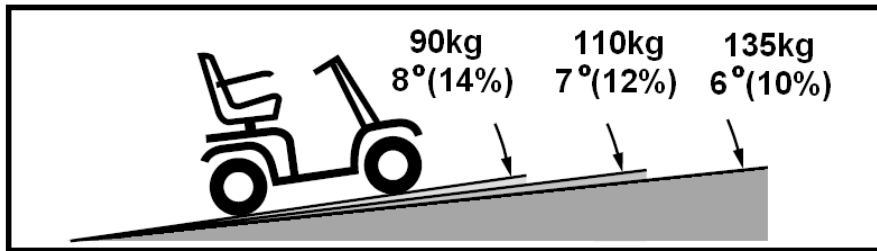
More and more buildings have ramps with specified degrees of inclination, designed for easy and safe access. Some ramps may have turning switchbacks (180-degree turns) that require you to have good cornering skills on your Powerchair.



- Proceed with extreme caution as you approach the downgrade of a ramp or incline.
- Take wide turns with your Powerchair around any tight corners. If you do that, the Powerchair's rear wheels will follow a wide arc. Do not cut the corner short, and do not bump into or get hung up on any railing corners.
- When driving down a ramp, keep the Powerchair's speed adjustment set to the slowest speed setting to ensure a safely controlled descent.
- Avoid sudden stops and starts.

Refer to Figure below to determine the maximum slope – do not exceed inclines of between 6-8°
Depending on weight of user

Maximum Recommended Incline Angles



When driving up an incline, try to keep your Powerchair moving. If you must stop, start up again slowly, and then accelerate cautiously. When driving down an incline, set the speed switch to MIN and drive forward only. If your Powerchair starts to move down the incline faster than you want, allow it to come to a complete stop by releasing the throttle control lever, then push the throttle control lever forward slightly to ensure a safely controlled descent.

WARNING! When on any incline, never place the Powerchair in freewheel mode while seated on it or standing next to it.

WARNING! When climbing an incline, do not zigzag or drive up at an angle. Always drive your Powerchair straight up the incline. This greatly reduces the possibility of tipping over or a fall. Always exercise extreme caution when negotiating an incline.

WARNING! Do not drive your Powerchair across an incline or diagonally up or down an incline; if possible, do not stop while driving up or down an incline.

WARNING! Do not drive up or down a potentially hazardous incline (e.g., areas covered with snow, ice, cut grass, or wet leaves).

WARNING!

Even though your Powerchair is capable of climbing slopes greater than those illustrated, do not, under any circumstances, exceed the incline guidelines or any other specifications presented in this manual. Doing so could cause your Powerchair to become unstable. Note that public accesses ramps are not subject to government regulation in all countries, and therefore do not necessarily have the same standard degree of slope. Other inclines may be natural or not be designed specifically for Powerchairs.

The figure on page 14 illustrates your Powerchairs' stability and its ability to climb under various weight loads and under controlled testing conditions.

These tests were conducted with the Powerchair seat in the highest position and in its farthest rearward position. Use this information as a guideline. Your Powerchairs' ability to travel up inclines is affected by your weight, Powerchair speed, your angle of approach to the incline, and your Powerchair setup.

WARNING! Any attempt to go up or down a slope steeper than shown in Figure C may make your Powerchair unstable and cause it to tip.

WARNING! Never carry an oxygen tank weighing more than 15 lbs (6.8 kg). Never put more than 5 Kg (11 lbs) in the front basket

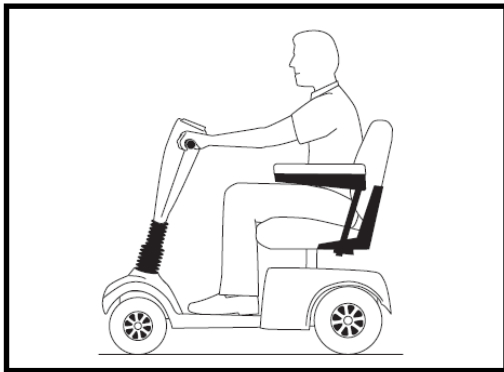


Figure B. Normal Driving Position

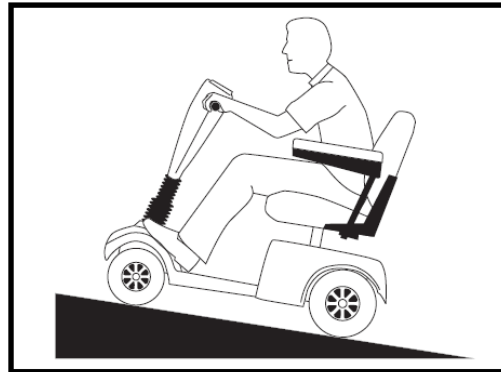


Figure C. Increased Stability Drive Position

CORNERING INFORMATION

Excessively high cornering speeds can result in tipping. Factors that affect the possibility of tipping include, but are not limited to, cornering speed, steering angle (how sharply you are turning), uneven road surfaces, inclined road surfaces, riding from an area of low traction to an area of high traction (such as passing from a grassy area to a paved area – especially at high speed while turning), and abrupt changes of direction.

WARNING! When cornering sharply, reduce your speed and maintain a stable centre of gravity. When using your Powerchair at higher speeds, do not corner sharply. This greatly reduces the possibility of a tip or fall. Always exercise your common sense when cornering.

OUTDOOR SURFACES

- Your Powerchair is designed to provide optimum stability under normal driving conditions, on dry, level surfaces of concrete, tarmac or asphalt. However, we recognize that there will be times when you will encounter other surfaces. For this reason, your Powerchair is designed to perform well on packed soil, grass, and gravel. Feel free to use your Powerchair safely on lawns and in parks.
- Reduce your Powerchair speed when driving on uneven terrain and/or soft surfaces.
- Avoid tall grass that can become tangled in the running gear.
- Avoid loosely packed gravel and sand.

PUBLIC STREETS AND ROADWAYS

WARNING! Do not operate your Powerchair on public streets or roadways. It may be difficult for traffic to see you when you are seated on your Powerchair. Obey all local pedestrian traffic rules. Wait until your path is clear of traffic, and then proceed with extreme caution.

STATIONARY OBSTACLES



WARNING! Do not drive near raised surfaces, unprotected ledges, and/or drop-offs (curbs, porches, stairs, etc.).

WARNING! Do not try to go up or down an obstacle that is too high.

WARNING! Do not try to go backward down any step, curb, or other obstacle.

WARNING! Be sure your Powerchair is travelling perpendicular to any curb you may be required to go up or down.

WARNING! Do not attempt to negotiate a curb that is higher than 10 cm (4").

PRECAUTION DURING UNUSUAL WEATHER

Avoid exposing your Powerchair to extreme weather. If you are suddenly caught up in rain, snow, severe cold or heat while operating your Powerchair, proceed to shelter at the earliest opportunity. Thoroughly dry your Powerchair before storing, charging, or operating it.

PROHIBITED! Do not operate your Powerchair in heavy rain, snow, salt, mist/spray conditions, or on icy slippery surfaces, as this can have an adverse effect on the electrical system.

WARNING! Prolonged exposure to extreme hot or cold may affect the temperature of parts of the Powerchair, possibly resulting in burns. Exercise caution when using your Powerchair in extremely hot or cold conditions or when exposing your Powerchair to direct sunlight for prolonged periods of time.

STAIRS & ESCALATORS

Top Gun Mobility Powerchairs are NOT designed to travel up or down stairs or escalators. Always use an elevator where available.

Doors

- Determine whether the door opens toward or away from you.
- Use your hand to turn the knob or to push the handle or push-bar.
- If the door opens away from you, drive your Powerchair gently and slowly forward to push the door open.
- If the door opens towards you, drive your Powerchair gently and slowly backwards to pull the door open.

Elevators

Modern elevators have a safety mechanism on the edge of the door that, when pushed, reopens the door(s).

- If you are in the doorway of an elevator when the door(s) begin to close, push on the rubber door edge or allow the rubber door edge to contact the Powerchair and the door will reopen.
- Take care that handbags, packages, or Powerchair accessories do not become caught in elevator doors.

***NOTE:** Sometimes manoeuvring your Powerchair may be difficult in elevators and building entrances. Use caution when attempting to manoeuvre your Powerchair in small spaces and avoid areas that might pose a problem.*

LIFTS/ELEVATION

If you travel with your Powerchair, you may find it necessary to use a lift or elevation product to aid in transportation. We recommend that you closely review the manufacturer's instructions, specifications, and safety information before using the lift/elevation product.

WARNING! Never sit on your Powerchair when it is being used with any type of lift/elevation product. Your Powerchair was not designed for such use, and any damage or injury resulting from such use is not our responsibility.

BATTERIES



In addition to following the warnings below, be sure to comply with all other battery handling information.

MANDATORY! Battery posts, terminals and related accessories contain lead and lead compounds. Wear goggles and gloves when handling batteries, and wash hands after handling.

WARNING! Powerchair batteries are heavy. If you are unable to lift that much weight, be sure to get help. Use proper lifting techniques and avoid lifting beyond your capacity.

WARNING! Always protect the batteries from freezing and never charge a frozen battery.

WARNING! Connect the battery cables correctly. RED (+) cables must be connected to positive (+) battery terminals/posts and BLACK (-) cables must be connected to negative.

(-) battery terminals/posts.

REPLACE damaged cables immediately. Protective caps must be installed over all battery terminals.

NOTE: *If the battery is damaged or cracked, immediately enclose it in a plastic bag and contact your local waste disposal agency or authorized retailer for instructions for disposal or for recycling (which we recommend).*

PREVENTING UNATTENDED TRAVEL

WARNING! If you anticipate being stationary for an extended period of time, turn off the power. This will prevent unexpected travel caused by accidentally touching the throttle control lever.

GETTING ON AND OFF YOUR POWERCHAIR

Getting onto and off your Powerchair requires a good sense of balance. Please observe the following safety tips when getting on and off your Powerchair:



- Remove the key from the key switch
- Ensure that your Powerchair is not in freewheel mode
- Ensure that the seat is secured in place
- Pivot the armrests up

WARNING! Position yourself as far back as possible in the seat

WARNING! Avoid putting all your weight on the armrests, and do not make the armrests bear weight, such as during transfers.

WARNING! Avoid putting all of your weight on the floorboard

The abovementioned actions may cause your Powerchair to become unstable and tip, causing injury or damage

REACHING AND BENDING

Avoid reaching or bending while driving your Powerchair. Bending forward creates the risk of accidentally contacting the throttle control lever. Bending to the side while seated creates the risk of tipping. It is important to maintain a stable centre of gravity, we recommend that you determine your personal limitations and practice bending and reaching in the presence of a qualified attendant.

WARNING! Do not bend, lean, or reach for objects if you have to pick them up from the Powerchair deck or from either side of the Powerchair. Movements such as these may change your centre of gravity and the weight distribution of the Powerchair, causing it to tip.

PROHIBITED! Keep your hands away from the tyres and wheels when driving. Be aware that loose-fitting

clothing can become caught in tyres and wheels.

PRESCRIPTION DRUGS/PHYSICAL LIMITATIONS

Users must exercise care and common sense when operating the Powerchair. This includes awareness of safety issues when taking prescription or over-the-counter drugs or when the user has specific physical limitations.

WARNING! Consult your physician if you are taking prescription or over-the-counter medication or if you have certain physical limitations. Some medications and limitations may impair your ability to operate your Powerchair in a safe manner.

SMOKING

WARNING! The manufacturer strongly recommends that you do not smoke while seated on your Powerchair, although the seat has passed the necessary testing requirements for cigarette smoking.

You must adhere to the following safety guidelines if you decide to smoke cigarettes while seated on your Powerchair.

- Do not leave lit cigarettes unattended.
- Keep ashtrays a safe distance from the seat cushions.
- Always make sure cigarettes are completely extinguished before responsible disposal.

ALCOHOL

WARNING! Do not operate your Powerchair while you are under the influence of alcohol, as this may impair your ability to operate the Powerchair in a safe manner.

SAFETY INFORMATION SUMMARY

- **DO NOT** try to climb sharp curbs
- **DO NOT** drive off or over obstacles exceeding 5 cm in height
- **DO NOT** make abrupt changes in direction at high speed or while traveling on an incline
- **DO NOT** attempt to make fast turn on flat surfaces
- **DO NOT** climb inclines greater than recommendation
- **DO NOT** back your Powerchair on uneven surfaces or inclines
- **DO NOT** attempt to operate your unit in a stalled condition, such as traveling up very steep incline. This may cause the circuit break or thermal cut out, rendering your unit temporarily immobile
- **DO NOT** travel on highways and freeways; ALWAYS stay in the bike lanes and sidewalks
- **DO NOT** carry passengers in any manner
- **DO NOT** operate your unit when the red battery indicator light is flashing
- **DO NOT** operate your unit with the clutch lever in the disengaging position
- **DO NOT** mount or dismount your unit with power switch in the “ON” position
- **ALWAYS** make sure that the steering tiller adjustment lever is locked
- **ALWAYS** make sure that the seat is locked so that it will not swing during operation
- **DO NOT** turn ON or use hand-held personal communication devices, such as citizens band (CB) radios and cellular phones, while your Powerchair is turned ON
- **BE AWARE** of nearby transmitters, such as radio or TV stations and hand-held or mobile two-way radios, and try to avoid coming close to them
- **BE AWARE** that adding accessories or components or modifying your Powerchair may make it more susceptible to interference from radio wave sources.

STORAGE

Your Powerchair should be stored in a dry environment, preferably a garage or shed. Tarpaulins and covers may create condensation during certain weather conditions. If your Powerchair is to be stored for prolonged periods, fully charge the batteries, and remove them from the Powerchair. Very cold weather can severely deplete battery condition (up to 40%). If left for any period during cold weather it is very important that the Powerchair is fully charged again before use.

DISPOSING AND RECYCLING OF USED BATTERIES

Batteries must always be recycled correctly. Do not dispose of them with your domestic refuse.

For further information regarding your nearest recycling facility please contact your local authority.

WARRANTY

This is to certify that your TOP GUN MOBILITY product offers a 2 Year limited Warranty from the date of original purchase. Should a defect or operating fault arise within this period the Retailer, from where the product was originally purchased, should be notified immediately. Failure to register the fault may invalidate the warranty.

The Retailer from where the product was purchased is responsible for any warranty repairs. Top Gun Mobility warrants that if a fault occurs within this period due to faulty workmanship or materials that the product will be repaired (or replaced at the Company's discretion) free of charge. ***Any unauthorised modifications will invalidate the warranty.*** *Note: Your selling retailer is responsible for the repairs, and should you not be able to return the*

product to the selling retailer or another Top Gun Mobility Retailer, you may be liable for any labour charges, parts will be supplied free of charge. You will be liable for all labour and parts costs should the repairs not be covered under warranty.

Component parts replaced outside this period carry a six-month warranty. (Standard terms and conditions apply for this period).

TWO-YEAR LIMITED WARRANTY

- Structural frame components, including platform, fork, seat post, and frame welds.
- Drivetrain, including differential, motor.

ONE-YEAR LIMITED WARRANTY

All electronic parts, including controllers, brakes, batteries and battery chargers, have a one (1) year warranty. Servicing to the controller or battery charger must be carried out by your authorised Top Gun Mobility Provider. Any attempt to open or dismantle these items renders the guarantee void on that item.

NOT COVERED UNDER WARRANTY

The guarantee does not extend to those items which may need replacement due to normal wear and tear (tyres, belts, bulbs, upholstery, plastic shrouds, motor brushes, fuses, and batteries), or damage to the product caused by misuse or accident for which Top Gun Mobility or its agent cannot be held responsible. This warranty does not include service calls or external bolt on components such as a canopy or canopy framework.

Transport/Call Out Costs - As the owner you must bear the cost of transporting the unit to the retailer or should you decide to have the retailer come to you, you must bear the cost of the retailers call out fee.

Your retailer may choose to waive this cost, but this will be at the retailer's discretion only and separate to TopGun Mobility's warranty terms and conditions.

WARRANTY SERVICE PERIOD

The service intervals are every 500klm or every twelve (12) months from date of purchase, whichever occurs first. We recommend using a Top Gun Mobility Service Provider. Proof of annual service (paid invoice receipts) must be kept and provided upon any warranty claim. **This warranty will be void if annual servicing is not carried out.**

SERVICE CHECKS AND WARRANTY SERVICE

Warranty service can be performed by an authorised Top Gun Mobility Provider. Please contact your authorised Top Gun Mobility Provider for advice on the current cost affecting the service visit.

COMMERCIAL USE

Any TopGun Mobility products used in a commercial application will only be covered by a 12-month warranty from the purchase date and will be excluded from any coverage mentioned in the warranty relating to 5 (five) or 3 (three) year warranty. All other conditions in this warranty will apply.

STORAGE INSTRUCTIONS

Always store in a dry area protected from freezing to avoid damage to the Powerchair and premature wear of the batteries.

Avoid exposure to rain, snow, ice, salt or stagnant water. Keep your Powerchair clean and dry.

Never expose the electronic components of the Powerchair to humidity (rain, snow, mist, or water from washing), as it may damage electronic circuits.

Always store your Powerchair with batteries fully charged. When storing the Powerchair for more than two weeks, charge the batteries and disconnect them.

During the storage, check the charge once a month and recharge the batteries as needed. You must complete a full charge cycle every month or damage to batteries can occur.

Avoid extreme temperature of hot and cold during storage. Freezing can damage low charged batteries and they may become unusable.

CHANGE OF DETAILS / CHANGE OF OWNER

If you change your address/contact details, please let us know as soon as possible. This can be done by;

- Email us with the updated details as per below on office@topgunmobility.com.au

Customers Email Address: _____

Customer: _____

Model: _____

Address: _____

Serial Number: _____

Colour: _____

State: _____ Postcode: _____

Date of Sale: _____

Phone: _____

Customer Signature

SERVICE RECORD

Certification, by signature and stamp, of an Authorised Top Gun Mobility retailer/repairer is required to verify that the recommended routine maintenance has been performed on this Mobility Powerchair. An accurate record is necessary to protect your warranty.

Always present this book to the retailer when routine maintenance is performed or when warranty repairs are requested. Service intervals are required as per Maintenance Schedule section of this Owner's Manual.

RETAILER/REPAIRER: DATE: KLMS:	RETAILER/REPAIRER: DATE: KLMS:
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RETAILER/REPAIRER: DATE: KLMS:	RETAILER/REPAIRER: DATE: KLMS:
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Owner's Manual & Warranty Booklet 2023
