

GLADIATOR Powerchair

TopGun
Mobility
WHEELS FOR LIFE



USER MANUAL

FOR YOUR RECORDS

Please fill in your Top Gun Mobility Powerchair's information below. This information will be useful in the event that you ever need to contact Top Gun Mobility concerning your Powerchair.

Model _____ Serial Number _____

Date of Purchase _____ Invoice Number _____

Provider Name _____

Company _____

Address _____

City _____ State _____ Postcode _____

Thank you for purchasing your Top Gun Mobility Powerchair. We are honoured you have chosen Top Gun Mobility for your mobility needs.

Intended Use:

The intended use of this device is to provide mobility to persons limited to a seated position that can operate an electric Powerchair.



DISCLAIMER

We ask that you read this manual completely before operating your new Top Gun Mobility Powerchair. Top Gun Mobility is not and cannot be held responsible for any damage or injury incurred due to improper or unsafe use of the Top Gun Mobility Powerchair.

Top Gun Mobility specifically disclaims responsibility for any bodily injury or property damage that may occur during any use that does not comply with applicable federal, state, or local laws or ordinances.

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INTRODUCTION

Congratulations on the purchase of your new Top Gun Mobility Powerchair. We are excited to provide you with one of our innovative Mobility Powerchairs. The Top Gun Mobility Powerchair combines cutting edge technology with attractive designs that are also highly functional in today's world. We at Top Gun Mobility know that you have chosen a Powerchair that will give you years of dependable operation and will enhance the quality of your life by providing you with the mobility to experience an active daily lifestyle.

Even though your new Top Gun Mobility Powerchair is both user-friendly and designed for maximum manoeuvrability in even the tightest spaces, **we ask that you please read, understand, and follow all the instructions and suggestions in this manual before you operate your Powerchair for the first time.** The safe use of your new Powerchair is very important to us.

If you feel that you do not understand the instructions and suggestions presented in this user manual, or if, for any reason, you do not feel capable of performing the activities necessary to assemble, disassemble, operate, or maintain your Top Gun Mobility Powerchair, please contact your local Top Gun Mobility provider, or call Top Gun Mobility.

Top Gun Mobility cannot be held responsible for personal injury or property damage resulting from the unsafe or the improper use of any of our personal mobility products. Also, Top Gun Mobility cannot be held responsible for personal injury or property damage resulting from attempts to follow instructions, suggestions, and guidelines presented in this user manual.

Our Research and Development Department, our Quality Control Department, and our Engineering Department have used the latest product specifications and the latest product design information to manufacture your Top Gun Mobility Powerchair. Top Gun Mobility reserves the right to implement changes into our product lines when those changes become desirable or necessary. If changes are implemented into our product line, there may be minor differences between the product you purchased and the illustrations and instructions in this User Manual.

We at Top Gun Mobility would appreciate hearing about the dependability of your Top Gun Mobility and about the convenience of mobility it has provided for you. We would also appreciate hearing about the service you received from your local Top Gun Mobility provider or representative. You can email info@topgununmobility.com.au

There are several situations, including some medical conditions, where the Powerchair 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 Powerchair 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 moderate terrain.

Please keep this manual at hand.

Recommendation

This manual serves as the ultimate guideline for you and your assistant or caretaker helping you with operating this powerchair. Read this manual carefully and review it often until you are certain how to handle every operation of this powerchair.

Top Gun Mobility and its affiliates cannot be held responsible for personal injuries or property damage caused by improper handling of the Gladiator Powerchair.

This manual may cover the use of various models, you will note that many of the operations and adjustments are similar and as such images may depict a different model to that which you have purchased.

For more information about our products and services or to send us your comments, email info@topgunmobility.com.au

Statement

The Gladiator Powerchair is motor driven, indoor and outdoor transportation vehicle with the intended use

to provide mobility to a disabled or elderly person limited to a seated position.

The powerchair main frame is an aluminium alloy frame, two front wheels, two rear wheels, a seat, an electric motor, an electromagnetic brake, 2 rechargeable Lithium-Ion Batteries with an off-board charger. The movement of the powerchair is controlled by the rider who operates the throttle lever and speed. The device is installed with an electromagnetic brake that will be engaged automatically when the powerchair is not in use (the brake cannot be used manually). **The powerchair can only be operated on a flat road.**

Please read this manual carefully and understand everything clearly before using your powerchair for the first time. Please do not use the powerchair in any unclear cases, otherwise, the product may be damaged or people may get hurt. If you have any questions, please contact your nearest retailer.

Please pay attention to the warning and cautions in the manual. We are not responsible for any injury and damage caused by wrong use of this powerchair and neglect of the warnings and cautions.

WARNING! Improper use will cause death or serious injury.

NOTICE! Improper use will cause damage of the powerchair.

ADVISE! Comply with the manual to keep the powerchair in good condition.

WARNING! DO NOT make sharp turns at high speed or on inclines or reverse direction abruptly.

WARNING! DO NOT utilise brake release / freewheeling option on any incline without assistance to control motion.

POWERCHAIR SCHEMATICS

Welcome to the world of freedom and independence, after your buying the Gladiator Powerchair. Once out of the packing case, it is necessary for you to check whether there is any damage on its surface. As the diagram shows, your electric Powerchair consists of the following main parts. Should you have any question, please don't hesitate to contact with our Retailer or Top Gun Mobility.

Gladiator Powerchair

1. Controller
2. Armrest Assembly (Right)
3. Seat Cushion
4. Motor and Wheel Assembly (Right)
5. Front Wheel with Suspension (Right)
6. Footrest Assembly
7. Battery Assembly
8. Front wheel with suspension (Left)
9. Main Frame Assembly
10. Motor and Wheel Assembly (Left)
11. Armrest Assembly (Left)
12. Seat Base Assembly
13. Backrest Assembly
14. Neckrest / Headrest

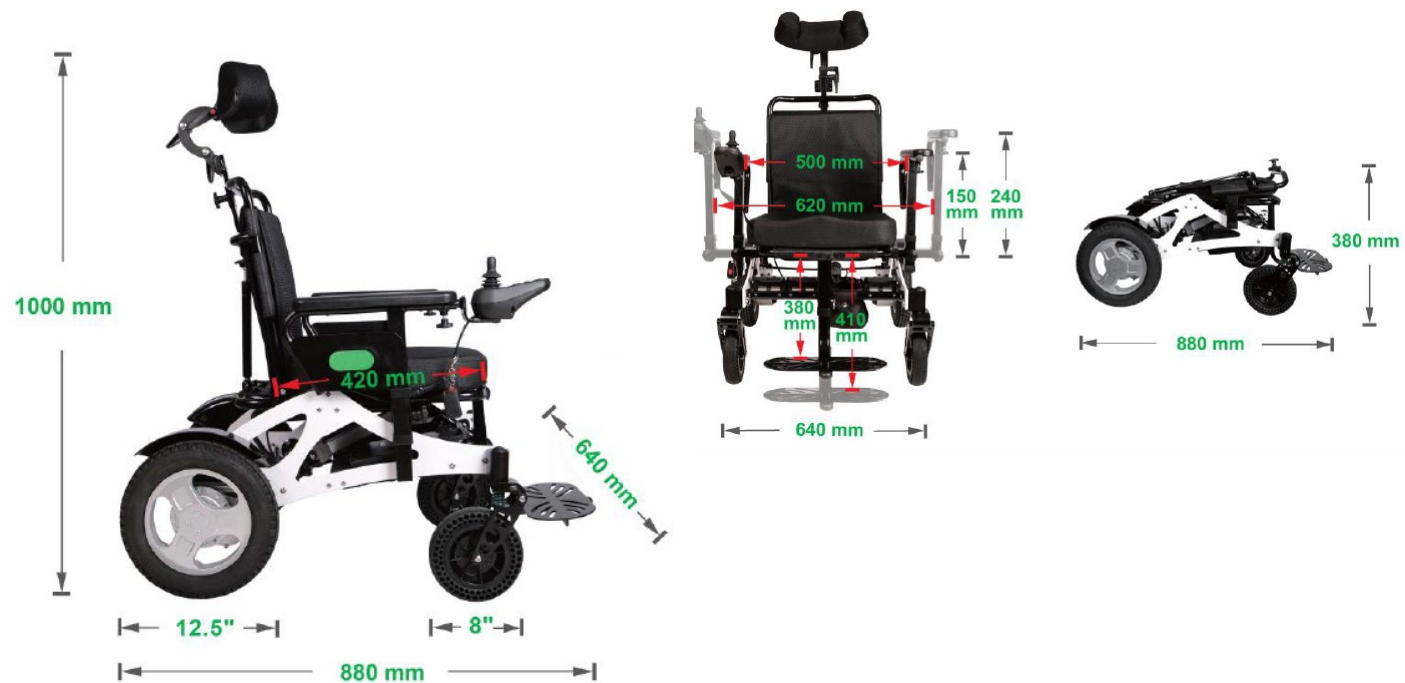


SPECIFICATION TABLE

MODEL DETAILS		GLADIATOR
Weight	32kg (No Batteries) 34.5kg (With 2xBatteries)	
Safe Working Load (SWL)	140kg	
Motor Power	250W	
Motor Type	Brushless Motor/2pcs	
Motor Voltage	24V	
Battery	24V 6Ah x 2 (lithium) <i>[3rd Battery optional and sold separately]</i>	
Battery Charge Time	Up to 6h/2pcs	
Operational Range	Up to 20km	
Controller	Brushless Controller	
Controller Voltage/Current	24V/30A	
Turning Radius	80cm	
Maximum Speed	Up to 6km/h	
Tyre Size (Rear)	32.5 x 55cm PU Solid Tyre	
Tyre Size (Front)	17.5 x 5cm PU Solid Tyre	
Seat Size (W x D x H)	44 x 45 x 51cm Front/47 cm Rear	
Seat to Top of Backrest	65-75cm (Adjustable)	
Obstacle Clearance Height	4cm	
Maximum Climbing Grade	6-8° (Subject to the user weight & surrounding conditions)	
Brake System	Electromagnetic Brake	
Braking Distance	70cm	
Distance Between Armrest	48 – 65cm	
Footrest to Top of Seat Base	16-29cm (Adjustable)	
Foot Height	Front 12cm/Rear10cm	
Folded Dimensions (L x W x H)	64.5 x 37 x 84cm	
Unfolded Dimensions (L x W x H)	100 x 64 x 88cm	

** Specifications are correct at time of print and are subject to change without notification

SPECIFICATION DIAGRAM



SETUP INSTRUCTIONS

1) OPEN THE BOX

Your powerchair will arrive carefully packaged in a cardboard box. Open the top of the box then turn the box on the side for easier removal of the powerchair and contents.

Total Components as below:



2) ASSEMBLE FRONT SUSPENSION WHEEL

- a) Slide the groove of the front suspension to fit the wheel to the frame.

b) Insert the pin for fixing the front suspension wheel.



3) ASSEMBLE SEAT

a) To flip the seat back into position, pull the gas lift lever upwards.



b) Insert the centre supporting pipe for the neck rest / headrest assembly into its holder on top of the backrest.



- c) Insert the centre pipe of the footrest assembly, then fix by inserting the locking pin at the desired height.



- d) Put batteries into the battery holder.



- e) Assemble the armrest on both sides.



- f) Install the controller (joystick/throttle control lever) onto the open slot on the arm of the chair, on the right side (if user needs, can change to the left side). Tighten the knob located under the armrest to secure the controller into place.



Slide joystick Controller into armrest



Secure joystick controller knob

- g) Connect the controller wire harness to the CPU wire harness. Take care to line up the pins properly as indicated by the arrow, so that they do not become bent, broken or damaged.



NOTE: Make sure connector pins (see the white arrows) are put “white arrow” to “white arrow”.

SEAT ANGLE AND BACKREST FOLDING

- a) Touch keys on remote to tilt angle of seat or return to the normal position.



- b) Pull up lever to activate the gas lift on the seat back for folding and unfolding the seat back.



CONTROLLER

The powerchair is equipped with a joystick controller (throttle control lever). Detail functions as shown:



Controller and Driving Tips.

- Take some time in a safe, controlled environment to learn the operation of the controller, the speed and the manoeuvrability of the powerchair.
- When turning, reduce your speed, which will help you avoid any potential tilting or tipping of the powerchair.
- Be sure to adjust the speed depending on your environment.
- To slow down, slowly bring the joystick back toward the initial position.
- To stop, just bring the joystick back to the initial position.
- Use extra care when you drive the powerchair in reverse. You may lose control or fall if one of the rear wheels hits an object when operating.

Operate the powerchair slowly and at an even speed; and stop often and check to make sure your path is clear of obstacles.

BASIC OPERATION

Before operating your Powerchair, be sure to read all safety information and precautions included in this manual. Operate only in the appropriate environment after you have practiced operating the powerchair and know how to work the controller.

GET IN	Be certain that the power is OFF before sitting in the seat of the powerchair (no lights on when you look at the control panel). Make sure the footrest is down before getting onto the powerchair.
POWER ON	Press the Power Button. You will hear a beep and a light will indicate the power is on.
TURNING & STEERING	Use the joystick style control (throttle control lever) to steer and turn left, right and go forward and backward.
STOPPING	Simply remove your hand from the joystick to stop. It will automatically return to the centre and bring the powerchair to a stop.
POWER OFF	When stopping, it is advised that you power OFF the powerchair to prevent accidents. Press the power button to turn off the powerchair.
GET OUT	Make sure there is no lights on the control panel before getting off the powerchair.

CHARGING BATTERIES

Fully charged (new) batteries, should last up to 15-18km under normal operational conditions. We recommend that you run the powerchair until the batteries are completely dead to achieve the most battery life. Note: Ensure you are close to home if the batteries are getting low.

First Charging Method

- Turn the power off on the powerchair.
- Plug the charger into the controller port (see below). Be sure to connect the charger cable first, then turn the mains power on.



CAUTION

TO PREVENT OVERCHARGING

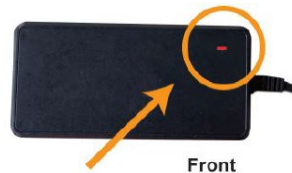
DO NOT charge continuously over 6 hours when charging 2 batteries.

DO NOT charge over 3 hours when charging only 1 battery (in either side of the frame)

- Allow your powerchair to charge for 6 hours full charge (with 2 batteries in the frame) or until the light on the charger turns green. **When the light turns green, the batteries are fully charged.**
- The light definition codes and what they mean can be found on the back of the charger.



Back



Front

The light should come on the charger after plugging it into mains power and turning it on.

GREEN colour indicates **fully charged**.

RED colour indicates **battery is charging**.

Second Charging Method

- Turn off the main power.
- Flip open the charger port protector on the front of the battery.
- Use the secondary charger pigtail to adapt the battery charger to plug directly into the battery.

NOTE: IMMEDIATELY UNPLUG THE CHARGER FROM THE POWER SOURCE AS SOON AS THE INDICATOR LIGHT ON THE CHARGER TURNS **GREEN**.



CAUTION
Keep the charging time of a single battery to
no more than 3 hours (maximum).
Avoid over charging.

More Information on the Powerchair Batteries

- The Powerchair comes with two (2) charged 24V 6AH lithium batteries.
- Never charge over the maximum hour/s for each battery.
- Turn the main unit's power OFF while charging.
- Do Not leave children unsupervised near the power powerchair while it is charging.
- Do Not attempt to open the battery housing.
- **Red** means the power is on and the unit is charging; **Green** means the unit is fully charged.

Note: This information is also located on the back of the charger.

- When the battery is fully charged, remove the cable, and take out the DC charging connector and AC input power socket.
- The average time taken to re-charge workable batteries will vary from 2 up to 6 hours depending on the level of usage. Do not charge more than 8 hours if needed. Generally, the maximum charge time is 6 hours.
- If you do not operate the powerchair for two months, we recommend that you charge the battery for 6-8 hours before use.

- Over current protection: This system is included on the powerchair and will shut off the current from the batteries if triggered, thus shutting the motor down, which will ensure that the motor and battery do not experience any damage.
- The life cycle of a lithium battery is measured in charging cycles with an average of 500 charge cycles.
- Check the battery indicator light daily if you use the powerchair frequently.
- Do Not use battery chargers that have not been certified by Top Gun Mobility.
- If the battery is damaged, do not handle the battery without protective gloves and eyewear.
- If the battery needs to be disposed of, locate the nearest hazardous materials disposal facility, and call them for instructions.
- Before storing your Powerchair for long periods of time, take these steps to maintain the battery:
 - a) Full charge the battery before storing.
 - b) Remove the battery from the powerchair.
 - c) Store the battery in a room temperature environment that is kept dry.
 - d) Avoid temperature extremes and do not allow the battery to freeze.
- Do Not attempt to charge your battery if it is frozen from extreme weather conditions, instead first allow it to thaw for several hours.

FREEWHEEL MODE

To have a care giver push the powerchair it must be put into Free Wheel Mode. This mode disengages the drive mechanism to the wheels, making them free to push manually. We recommend that you turn off the power when in this mode, both for safety and to save battery power.

- a) To pull the powerchair in Free Wheel Mode, come to a full stop and turn OFF the power on the controller.
- b) Push down on the two red levers located on each rear wheel as shown:



TRANSPORTING

To transport your powerchair, it is advised that you fold it by following the below procedure.

NOTE: Never sit in the powerchair that is being transported in a moving vehicle. Do not place the folded powerchair in the front seat with a driver where it could move and slide.

- Turn OFF the power on the controller of the powerchair.
- Remove the seat cushion.
- Press down the backrest and flip the back safety, latch down to unlock the frame.
- Fold the powerchair.
- When folded, the foot pedal can be used to easily move the powerchair.

TROUBLE SHOOTING MAINTENANCE

The following represents the most common questions asked about the powerchair with regards to everyday use. Check this guide for more information if you have a question about using your powerchair.

QUESTION	POSSIBLE CAUSES	ANSWER
Why is there no power to the powerchair?	1. Controller system power is not connected. 2. Controller system CPU and joystick are not connected. 3. Battery power is too low.	1. Connect the battery. 2. Ensure all connections between the joystick, CPU and battery are securely tightened. 3. Change the battery.
Why is the powerchair noisy or vibrating when turning?	1. Speed is set too low. 2. Motor is damaged.	1. Raise the speed. At low speeds, the motor may sound or feel strained. 2. Replace the motor.
Why can't I charge the battery?	1. Charger light does not turn on. 2. Charger light is always green. 3. Charging time is stopped before full charge is complete.	1. Replace the charger. 2. Battery is not connected or may need to be replaced. 3. Capacity of battery decreasing over time. This is normal.
Why can't I connect the controller?	1. Connector pins (male) on the controller have become bend and misaligned with connector holes (female) on the CPU connector.	1. Using a small tool, carefully straighten the connector pins (male) on the controller to align with holes (female) on the CPU connector.

BATTERY MAINTENANCE

The battery of the powerchair is an extremely important part. The battery life determines the service life of the powerchair. Do not overload the powerchair (exceed the maximum load capacity) as this can also affect the batteries performance. Develop the habit of charging your battery, it is recommended to keep the battery saturated after each use.

It is also recommended to conduct a deep charge every month! Do not overcharge. To do this, let the battery completely discharge and then conduct a complete charge until the battery charger light turns green.

If you don't use the powerchair for a long time, place it in a location that is out of the way (to avoid it being bumped or damaged) and remove the batteries to reduce discharge.

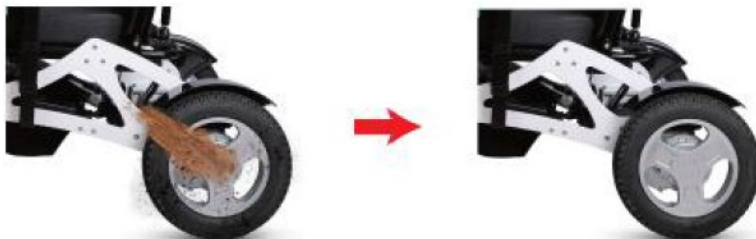


POWERCHAIR MAINTENANCE

After the powerchair has been used for a period, it is necessary to periodically check the powerchair for any loosening screws, fixings etc between all parts and components to ensure the connections are safe and certify the continued safe operation of the powerchair to avoid accidents.



Avoid getting your powerchair wet however if you are caught in rain, your powerchair should be wiped with a soft dry cloth as soon as possible, especially the electrical circuits.



If the powerchair is on the beach, gravel, or wet road, if there is sand, mud or gravel on the tyres, it should be cleaned as soon as possible to prevent some parts from rusting or the tyres spreading the grime. If gravel is stuck in the tyre tread, it could affect the comfort and safety of your powerchair.

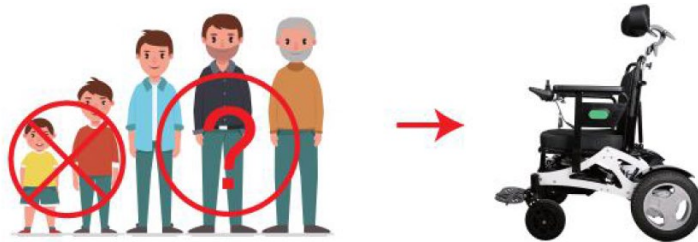
Avoid sharp objects that could scratch the seat leather, PU handrails and plastic components.



Avoid storing or leaving your powerchair in the direct sunlight. This could be harmful to the battery and impact the service life of the plastic parts.



Your Powerchair is relatively simple to operate. Avoid allowing children or adults without experience, to operate the powerchair. Drivers should avoid unnecessary large-scale body movements or sleeping on your powerchair. This can lead accidents or injury. To avoid this situation, unplug the power switch key when not in use. This habit could also assist to avoid the risk of theft.



A simple tool kit is included with your powerchair. The period of maintenance can vary depending on the frequency of use.

Daily Check

Turn off the controller, check the controller lever, make sure the lever is not bent and broken. Be sure the lever returns to the central position when released. Check the rubber base of the lever for damage. If damages, contract your Retailer for replacement parts.

Periodic Regular Check

- Check any visible connections for corrosion. If corrosion becomes visible, please contact the Retailer.
- Make sure that all parts are connecting, and fixings have not come loose. Do not overtighten screws and fixings.
- Check the brakes. Carry out this inspection on a level surface ensuring there is enough space around the powerchair. To check the brakes:
 - a. Turn on the controller. After one second, check the battery indicator to make sure the battery is powered.
 - b. Slowly push the lever forward until you hear a “beep” from the brakes. Immediately release the controller lever / joystick. You must hear the brake operation sound after each occasion the lever is pushed for a few seconds.
 - c. Repeat the operation three times pushing the controller to the rear; left side; and then right side for inspection.
- Check the anti-roll wheel for excessive wear and replace the wheel if necessary.
- Check the wear of the front wheels and drive wheels. If maintenance is required, please contact your Retailer.
- Check the front fork for wear and looseness, which may indicate that adjustments are needed, or the bearing needs to be replaced. Please contact the Retailer for repair or replacement.
- Keep the product clean and don't leave debris, e.g. food, beverages, residues etc on the powerchair surfaces.

Storage

This product should be stored in a dry environment. Do not store it in extreme temperatures. If it cannot be stored under the above conditions, it may cause damage to the powerchair and electrical system. **Storage conditions:**

Temperature -40°C ~ +65°C | **Relative humidity:** W80% | **Atmospheric Pressure:** 86kPa ~ 106kPa.

EMI (Electromagnetic Interference) / RFI (Radio Frequency Interference)

Your powerchair meets the electromagnetic compatibility requirements of IEC60601 standards

Other powerchair manufacturers sell internal components, cables, and accessories. Using alternative products may result in increases emission that could affect your powerchair. Please only use those specified and designed for your powerchair.



The rapid development of electronics, especially around communications, has saturated our environment with electromagnetic (radio) waves that are emitted by television transmitters, cellular phones, citizen's band radios (CBs), amateur radios (ham radios), wireless computer links, microwave transmitters, paging transmitters, etc. These electromagnetic (EM) waves are invisible and increase in strength the closer one gets to the source of transmission. When these energy waves act upon electrical devices and cause them to malfunction or to function in an erratic or uncontrolled manner, they are referred to as Electromagnetic Interference (EMI) or Radio Frequency Interference (RFI).

EMI/RFI AND YOUR TOP GUN MOBILITY POWERCHAIR

All electrically powered vehicles including Powerchairs are susceptible to Electromagnetic Interference/Radio Frequency Interference (EMI/RFI). This interference could result in abnormal, unintended movement of your Top Gun Mobility Powerchair.



WARNING

Unintended movement or brake release could cause an accident or injury.

It has determined that each make, and model of Powerchair can resist EMI/RFI to a certain level. The higher the level of resistance, the greater the degree of protection from EMI/RFI—measured in volts per meter (V/m). The FDA has also determined that current technology can provide 20 V/m of resistance to EMI/RFI, which would provide useful protection against common sources of interference. This product has been tested and has passed an immunity level of 20 V/m.

EMI/RFI RECOMMENDATIONS



PROHIBITED! Do not turn on or use hand-held personal electronic communication devices such as mobile phones, walkie-talkies, and CB radios while your Powerchair is turned on.

- Be aware of any nearby transmitters (radio, television, microwave, etc.) on your intended route and avoid operating your Powerchair close to any of those transmitters.
- Turn off the power if your Top Gun Mobility Powerchair is going to be in a stationary position for any length of time.
- Be aware that fitting accessories or components or modifying your Powerchair may make it more susceptible to EMI/RFI.
- If unintended movement or park brake release occurs, turn your Powerchair off as soon as it is safe to do so.
- Report all incidents of unintended movement or park brake failure to Top Gun Mobility.



WARNING Turn off your Powerchair as soon as it is safely possible if unintended or uncontrollable motion occurs or if unintended park brake release occurs.

USE OF YOUR MOBILITY POWERCHAIR

Make sure that you have read and understand the whole User Manual before driving your electric Powerchair.

BEFORE USING THE POWERCHAIR

- a) Make sure the Powerchair is operating smoothly.
- b) Check for any unusual noises, vibration, or a change in the ease of use. If you detect a problem, get in touch with your Retailer.
- c) Failing to maintain your Powerchair could increase the risk of injury.

GETTING INTO THE POWERCHAIR

- a) Before sitting, make sure the powerchair is switched off, this will ensure the Powerchair will not move upon touching the joystick (throttle control lever). Raise the armrest so you can conveniently sit on the powerchair.
- b) Make sure the footrest is down and lower the armrest once seated.
- c) Once on board, make sure your feet are safely on the footrest.

DRIVING THE POWERCHAIR

- a) Be alert to the danger of motor vehicles on roads or in parking spaces.
- b) At night or when it is hard to see, use reflective clothing and equipment.
- c) The powerchair is designed for use on firm, even surfaces such as concrete, asphalt or indoor floors.
- d) Do not operate the Powerchair in sand, loose soil or over rough terrain, which could damage wheels, bearings, axles or motors, or loosen fasteners.

GETTING OUT OF THE POWERCHAIR

- a) Make sure to bring the powerchair to a complete stop.
- b) Turn off the powerchair to avoid accidentally opening the joystick (throttle control lever) and moving the powerchair.
- c) Raise the armrest so that you can conveniently exit the powerchair.
- d) Carefully and safely get out of the seat.

SAFE WORKING LOAD (SWL) LIMITATIONS

- a) Never exceed a total weight (SWL) of 140kg, total combined for the rider and any items carried.
- b) Exceeding the weight limited is likely to damage the seat, frame or fasteners and may cause severe injury to you or others.

TRANSPORTATION OF THE POWERCHAIR

- a) Never sit in the powerchair while in a moving vehicle. An accident or sudden stop may cause you to be thrown from the powerchair.
- b) Never transport the powerchair in the front of a vehicle as it may move and interfere with the driver.
- c) Always secure the powerchair so that it cannot roll or shift when being transported in a vehicle.
- d) The powerchair is NOT approved to be used with any tie down system, which is generally used to transport a seated user in a powerchair in a motor vehicle.

SAFETY GUIDELINES

The symbols below are used in the User Manual and/or on the product to identify warnings and to notify you of important safety information. Make sure you read and understand them completely.

	Manufacturer		Attention, see instruction for use
	Consult instructions for use		Product fulfill WEEE directive
	Date of manufacture		Serial number
	Batch number		Type BF applied part
	Use until year & month (Expiration date)		Water proof grade
	CE mark		UKCA mark
	=Radio frequency fields beyond this point may exceed FCC general public exposure limit		Medical device



Don't use when packing damaged



Humidity limitation



Switch



CF application part



Temperature limitation



Store in clean & dry place protected from rain, snow, ice, salt and water.



PCTB



Fuse



Danger of explosion



Protect from heat and radioactive sources



Disposal and recycling
Only authorized recycling companies can recycle parts of this mobility wheelchair



Volume control



Keep dry



Package Number

Power

100~240VAC, 50~60 Hz

Frequency

500VA



Equipotential



Foot Switch

DC output

+29.4V 2.0 A

Please pay attention to the warnings and cautions in this manual. We are not responsible for any injuries or damage caused by wrong use of this product and neglect of the warnings and cautions.



- An authorised Retailer or qualified approved technician must perform the initial setup of this powerchair and must perform all of the procedures in this manual.
- This product is suitable for users aged between 18 to 75 years old.
- Do not drive on public highways.
- Do not cross over any gap too wide to remain safe.
- This Powerchair is designed to operate on flat surfaces. Never try to go over any high obstacle.
- This powerchair is suitable for both outdoor and indoor use, senior center, family or similar circumstances.
- The suitable temperature environment for using electric powerchair:
 - Temperature -10 ~ +50°C, Atmospheric Pressure 860 ~ 1060Pa, Humidity 10% ~ 93%.
- Powerchair Source:
 - Charging Voltage AC 220V 50Hz, Battery Voltage DC 24V 6Ah, Power of motor $\geq 250W$
- Operate powerchair only when it is unfolded (not folded) and only allow one person on the powerchair at a time.

Weight Limitations

The powerchair has the maximum load capacity of 140kg as listed in the product specifications table. Keep in mind that the maximum weight capacity includes the combines weight of the user and any accessories mounted to the powerchair. Stay within the specified weight capacity of your powerchair. Exceeding the weight capacity voids your warranty. We will not be held responsible for injuries and/or property damage resulting from failure to observe weight limitation.

WARNING!



- We are not responsible for any damage and inquiry cause due to overloading weight.
- Not to drive on damgerous slopes.
- Not to drive backwards when going up or down a hill.

Maximum grade ability is uphill 3° and downhill 12°

WARNING!

NOTICE!

ADVISE!



- Improper use could cause death or serious injury.
- Improper use will cause damage of the powerchair.
- Comply with the user manual and maintain the powerchair in a good condition.
- **DO NOT** make sharp turns at high speed or on inclines or revere direction abruptly.
- **DO NOT** utilize brake release / freewheeling option on any inclune without assistance to control the motion.

CAUTION



- **DO NOT** operate the folded powerchair in water of any kind (including rain).
- **DO NOT** operate the powerchair up or down stairs or escalators.
- **DO NOT** operate the powerchair while on a moving vehicle such as a bus.
- **DO NOT** lean your body to reach out of the powerchair, causing a balance issue.
- **DO NOT** exceed the weight limited total of 140kg for the rider plus any items.
- **DO** turn off the powerchair when exiting the chair for safety reasons.
- **DO** practice driving the Portable Powerchair in a private, enclosed area.
- **Please** do not drive the powerchair on public road and make sure to have the safety belt buckled before operation.

CAUTION NOTICES

- Don't use your mobility Powerchair out of the operation range stipulated.
- Don't modify your powerchair in any way.
- Don't drive it when you have bad eyesight influencing your health (if you're feeling dizzy), or if suffering from shock.
- Don't drive it after you have any alcoholic drinks.
- Don't shift the change-over switch before the Powerchair stops steadily on smooth ground.
- Don't drive it across a barrier higher than 40mm or an iron chain.
- Don't lean on a sideways slant on the slope because it will cause instability.
- Don't drive it across a slope or try to twirl on a slope. Only proceed upwards or downwards.
- Don't move it backward on a slope.
- Don't shut off the power when it moves.
- Remember that only one person is permitted on it. Don't use it to drag or carry things exceeding the maximum loading capacity.
- Drive it in a straight line when up or down a slope.
- Shut off the power when it is not in use. This not only extends the service life of batteries, but also avoids accidents.
- Slow down the speed while turning.
- Put your arms and legs in the limited range of the Powerchair.
- Take extreme care when climbing a slope or a small hill or moving on a road.
- Please note the electric Powerchair will keep moving for some time before it stops completely, if you lose control on places like on a slope or wet slippery ground.
- Please note that high humidity of air may affect the control system and other parts, when weather is bad or passing a waterway. It's also important to avoid operating in any rain.
- Maintain the correct tyre pressure (if applicable) as indicated on the tyre side wall to ensure the best tyre performance.
- The driver must be in the fixed and forward-facing seat when driving.
- Don't make direct contact with water. Don't drive or stop it near or in water and avoid rain.
- Don't place your Powerchair in the rain or use it in steam room.
- Don't charge the battery when it's in a frozen state.



WARNING Read completely and understand this User Manual before assembling, operating, transporting, or disassembling your Top Gun Mobility Powerchair.

- **Always** operate your Top Gun Mobility Powerchair with thought, care, and safety.
- **Do not** attempt to use your Top Gun Mobility Powerchair on an escalator. Always use an elevator.
- **Do not** carry passengers under any circumstances.
- **Do not** mount or dismount your Top Gun Mobility Powerchair unless the brake is engaged.
- **Always** make sure that the key switch is set to "OFF" before mounting or dismounting your Powerchair.
- **Do not** back your Top Gun Mobility Powerchair down an incline or across an uneven surface while on the Powerchair.
- **Do not** turn your Powerchair suddenly at full speed.
- **Always** make sure the seat is locked in the forward-facing position before operating your Top Gun Mobility Powerchair.
- **Always** come to a full stop before changing direction from forward to reverse or from reverse to forward.
- **Do not** operate your Top Gun Mobility Powerchair where you could not safely or legally walk.
- **Do not** climb ramps or curbs that exceed your Powerchair's capacity.
- **Always** approach curbs and inclines straight on.
- **Always** be aware of and careful near mechanical pinch points especially when assembling and disassembling your Powerchair.
- **Never** sit on your Top Gun Mobility Powerchair when it is being transported.
- **Always** fasten down your Top Gun Mobility Powerchair securely with an approved tie-down system while transporting your Powerchair.
- **Never** operate your Powerchair if it is not functioning properly.
- **Always** use caution when driving on soft or uneven surfaces such as grass or gravel. Also use caution on decks where there is no railing.
- **Never** drive on the roadway, except when you must cross the street.
- **Always** cross streets at intersections and use crosswalks or the most direct route, making sure that your path is clear and that you are visible to motor traffic.
- **Never** drive your Top Gun Mobility Powerchair up or down a step or curb that is higher than the Ground/Obstacle Clearance listed on the specifications chart.
- **Never** back up or down a step or curb.
- **Do not** drive your Top Gun Mobility Powerchair in icy or salted conditions.

- **Never** operate your Top Gun Mobility Powerchair while you are under the influence of alcohol.
- **Do not** operate or store your Top Gun Mobility Powerchair where it will be exposed to rain, snow, mist, and below freezing temperatures.
- **Never** tether a live animal to your Powerchair, doing so may cause harm to yourself and the animal.



WARNING Should you encounter a problem with the operation of your mobility device such as a mechanical or electrical problem immediately stop using the product. Disconnect the batteries then contact the provider from whom you purchased your mobility device for evaluation of the problem and repair if needed.

NOTICE

Do not use excess water or pressure when cleaning your Powerchair.

- **Never** use a high-pressure hose to wash your Powerchair.
- Dampen a soft cloth with cool water mixed with a mild soap to remove dirt and oils.
- Dry with a clean, soft cloth.
- Buff by hand with a soft cloth.
- **Do not** use a sharp object when removing pieces.
- Clean the body of your Powerchair with a damp cloth.

Seat

Clean with a mild soap or mild detergent and a damp cloth.

WARRANTY

Consumer Limited Warranty

Top Gun Mobility has provided information throughout the User Manual regarding proper usage and care of your Powerchair. Failure to adhere to this information will void the warranty of the Powerchair, it's parts and the batteries supplied by Top Gun Mobility.

The following warranty is granted only to the INITIAL Consumer who has purchased our product and commences on the Date of Purchase by the Consumer from an Authorized Top Gun Mobility' Provider. The Consumer must have proof of purchase from Top Gun Mobility or the authorised Powerchair provider to receive service.

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 still be supplied free of charge. You will be liable for all labour and parts costs should the repairs not be covered under warranty.

The warranty covers the following Powerchair models: "Gladiator Powerchair".

5 Year Limited Warranty:

From the date of purchase from an authorized Top Gun Mobility Retailer, in the event of defective materials or workmanship, once a completed warranty claim application has been received, Top Gun Mobility will repair or replace, at our option, any of the following structural frame components found to be defective by an authorized Top Gun Mobility representative:

- ◆ Steel Frame

One-Year Warranty:

For the period of one (1) year from the date of purchase, in the event of defective materials or workmanship, once a completed warranty claim application has been received, Top Gun Mobility will repair or replace at our option any of the



following electronic assemblies or any other part (not excluded) and found defective by an authorized Top Gun Mobility representative:

◆ Controller	◆ Battery and Battery Charger	◆ Electrical Parts
◆ Drivetrain including Differential	◆ Motor	◆ Brake

Note: An increase in operating noise DOES NOT constitute a defect. With normal wear and tear, operating noise is expected to increase.

Note: While charging batteries, it is normal for the battery charger to heat up. Heat coming from the battery charger does not constitute a defect.

One-Year Limited Warranty

For the period of one year from the date of purchase, in the event of defective materials or workmanship, Top Gun Mobility will replace the **batteries supplied by** Top Gun Mobility if the capacity is less than 60% of the rating (8-month warranty) and found to be defective by an authorized Top Gun Mobility representative.

Items not listed are covered at the discretion of Top Gun Mobility. Any accessories, standard or optional, supplied by Top Gun Mobility, are covered for a period of one year from the date of purchase with the unit. Any attempt to open or dismantle these items renders the guarantee void on that item.

Warranty Exclusions:

Top Gun Mobility does not provide warranty on any of the following items which may require replacement due to the normal wear and tear of day-to-day usage:

- ◆ Motors: for damage if caused by not changing the carbon brushes (if applicable) after being worn out seriously, the carbon brush is out of warranty.
- ◆ Brakes: one-year warranty includes electromagnetic brakes but excludes wear of brake sheets.
- ◆ Wear and tear of plastic cover ◆ Tyres and wire-cable ◆ Seat and Rack

This warranty also excludes the following:

- ◆ Loss or theft of components (i.e.: keys, baskets, etc.)

- ◆ Warranty is non-transferable and only valid for the original powerchair purchaser.
- ◆ Damage caused by:
 - User negligence or that have been subjected to abuse or negligence.
 - Intentional damage.
 - Improper Handling.
 - Battery fluid spillage or leakage.
 - Abuse, misuse, accident, or negligence.
 - Improper operation, maintenance, or storage.
 - Commercial use or use other than normal.
 - Exceeding the specified weight capacity of the unit.
 - Unauthorised repairs and/or modifications made to any part without the specific consent of Top Gun Mobility.
 - Accessories other than those supplied or approved by Top Gun Mobility.
 - Failure to adhere to the product instructions.
 - Acts of Nature, such as lightning strikes, cyclones, earthquakes, etc.
 - Manpower cost, telephone fees, freight and other costs resulting from maintenance or products unless approved by the manufacturer.
 - Other cases not specified in the scope of warranty.
 - Circumstances beyond the control of Top Gun Mobility.
- ◆ ANY PARTS ALTERED OR REPAIRED BY AN UNAUTHORIZED PERSON.

As mentioned above, 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 retail 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 Retailer's call out fee. Your Retailer may choose to waive this cost, but this will be at the Retailer's discretion only and separate to Top Gun Mobility's warranty terms and conditions.

Warranty Service Period:

The service intervals are every twelve (12) months from date of purchase. We recommend using a Top Gun Mobility Service Provider/Retailer. 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/Retailer | Local Mobility Powerchair Technician. Please contact your authorised Top Gun Mobility Provider for advice on the current cost affecting the service visit. Top Gun Mobility reserves the right to replace warranted part(s) with refurbished or new part(s) at our discretion. **All labour charges, service calls, transportation costs or any other charge(s) associated with the installation of any warranted part(s) are the responsibility of the consumer.** Warranty is for the replacement of the parts only and does not include freight for the replacement parts. Consumers are not to return any item(s) to Top Gun Mobility without prior written authorization. Any damages incurred while warranted part(s) are in transport are the sole responsibility of the consumer.

Commercial Use:

Any Top Gun 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); 3 (three) or 2(two) year warranty. All other conditions in this warranty will apply.

There is no other express warranty.

Implied warranties including those of merchantability and fitness for a particular purpose are excluded. Liabilities for consequential damages are excluded. This warranty gives you specific rights and you may also have other rights which may vary from state to state.



Technical Service, please scan the following QR code.



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