

OWNERS MANUAL

TG400R, TG400RS, TG600RS & TG900RS



AUTHORISED TOP GUN MOBILITY AFTER SALES SERVICE

We have ensured that your new Top Gun Mobility Scooter 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 : _____

DEALER 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 dealer 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 Scooter.

RETAIL ADVICE & BUYERS WARRANTY REGISTRATION

Selling Dealer to complete at time of sale in order to Register Warranty with Top Gun Mobility

Customers Email Address: _____

Customer: _____

Model: _____

Address: _____

Serial Number: _____

Colour: _____

State: _____ Postcode: _____

Date of Sale: _____

Phone: _____

Type of Purchase: Consumer / Rental / Other

Customer Signature

Dealership Representative Signature

RETAIL ADVICE & BUYERS WARRANTY REGISTRATION

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INTRODUCTION

CONGRATULATIONS on the purchase of your new Top Gun Mobility Scooter. We are excited to provide you one of our Innovative Mobility Scooters. Our Scooters 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 Scooter. Please read this manual thoroughly and carefully prior to operating your new Mobility Scooter to familiarise yourself with all operation instructions.

MODEL FEATURES & SPECIFICATIONS

TG400R

1. Adjustable Seat Height
2. Swing away armrests
3. 360° Swivel Seat, Forward/Reverse & Reclinable
4. Adjustable Tiller
5. Headlights, Taillights & Blinkers
6. Battery Charge Indicator with external Batter Charger
7. Front & Rear Bumpers
8. 24v permanent magnet Heavy Duty DC motor
9. Electronic High/Low Speed Switch
10. ON/OFF Switch Lock
11. Dynamic regenerative braking coupled with fail-safe electro-mechanical disk brakes



TG400RS

1. Front & rear bumper
2. Deluxe orthopaedic seat that slides, reclines and swivels
3. Fold up arm rests
4. Automatic braking LED light system
5. Drink holder standard
6. Panel control and digital display
7. LED headlight
8. Direct Drive sealed transmission/gearbox
9. Multi Position tiller angle
10. Free-wheeling device
11. Digital Display
12. USB Charging
13. Bluetooth (music capability)
14. Radio



TG600RS

1. Front & rear bumper
2. Deluxe orthopaedic seat that slides, reclines and swivels
3. Fold up arm rests
4. Automatic braking LED light system
5. Drink holder standard
6. Panel control and digital display
7. LED headlight
8. Direct Drive sealed transmission/gearbox
9. Multi Position tiller angle
10. Free-wheeling device
11. Digital Display
12. USB Charging
13. Bluetooth (music capability)
14. Radio



TG900RS

1. Deluxe orthopaedic seat that slides, reclines and swivels
2. Lockable Front Storage Box
3. Chrome front bumper
4. Rear bumper
5. Angle adjustment fold up arm rests
6. Automatic braking system
7. Drink holder standard
8. Panel control and digital display
9. LED headlight
10. Direct Drive sealed transmission/gearbox
11. Multi Position tiller angle
12. Free-wheeling device
13. Digital Display
14. USB Charging
15. Bluetooth (music capability)
16. Radio



SPECIFICATION COMPARISON TABLE

	TG400R	TG400RS	TG600RS	TG900RS
Battery (Lead-Acid)	38AH*2	38AH*2	55AH*2	1200AH*2
Motor Power	400W	950W	1400W	1400W
Controller	PG 70A	PG 120A	PG 120A	PG 200A
Electric Brake	Warner 24v	Warner 24v	Warner 24v	Warner 24v
Overall Dimensions	1305×640×1170mm	1352×690×1280mm	1550×680×1280mm	1650×690×1280mm
Weight W/O Battery	92KG	96KG	105KG	110KG
Max. Loading Weight	150KG	150KG	205KG	205KG
Max. Speed (klm/hr)	9KM/H	10KM/H	10KM/H	10KM/H
Turning Radius	1450mm	1550mm	1350mm	1360mm
Max. Climbing Grade	15°	15°	15°	15°
Wheel Size - Front	10" pneumatic	13" pneumatic	13" pneumatic	14" pneumatic
Wheel Size - Rear	10" pneumatic	13" pneumatic	13" pneumatic	14" pneumatic
Drive System	24V Sealed Mid Transaxle	24V Sealed Mid Transaxle	24V Sealed Mid Transaxle	24V Sealed Mid Transaxle
Ground Clearance	80MM	80MM	100MM	100MM
Travel Range	up to 35 km	up to 40 km	up to 45 km	up to 75km
Free Wheel Mode	Yes	Yes	Yes	Yes
Wheel Hub	Aluminium Alloy	Aluminium Alloy	Aluminium Alloy	Aluminium Alloy
Charger Size	24V 5A	24V 5A	24V 5A	24V 8A

SAFETY SYMBOLS



WARNING! An authorised supplier or qualified technician must perform the initial setup of this scooter, and must perform all of the procedures in this manual.

The symbols below are used throughout this Owner's Manual and on the scooter to identify warnings and important information. It is very important for you to read and understand them.



WARNING! This indicates a potentially hazardous condition/situation. Failure to follow designated procedures can cause personal injury, component damage or malfunction.



MANDATORY! These actions must be performed as specified. Failure to perform "Mandatory" actions can cause personal injury and/or equipment damage.



PROHIBITED! This indicates that the action is prohibited. These actions must NOT be performed at any time or under any circumstance. Performing a prohibited action can cause personal injury and/or equipment damage.



PLEASE NOTE and strictly adhere to the following Safety Instructions. Additional Warnings and Notices are printed in this Owner's Manual; it is imperative that you carefully read all chapters of this manual before operation. It is also advisable to refresh your memory by re-reading this manual periodically.



GET ACQUAINTED with your Mobility Scooter and its operational features before driving it. Drive slowly (speed limit dial set to MIN) until you get used to your scooter, its' various functions, safety features as well as it's braking capabilities and limitations.



PEDESTRIANS! Watch carefully for pedestrians and drive your Mobility Scooter accordingly. In crowded areas, always drive with the speed limit dial set to MIN. Drive only where permitted according to all applicable local laws. Be mindful of the width of your particular mobility scooter and take care not to hit persons or objects around the vehicle.



NEVER remove any of the Mobility Scooter safety parts such as bumpers, plastic covers or emergency braking lever. Never remove any of the Warning Labels.



NEVER put your hands, fingers, feet or legs into any moving part or under any protective cover as moving parts and hot surfaces are generally secured under these covers.



When making adjustments (folding the seat back, adjusting armrest, moving seat forward/backward, adjusting tiller etc.) as well as when squeezing the throttle control lever, always take care that your hands and fingers are not trapped between any of the moving parts. When moving the tiller forward or backward, be careful not to trap your fingers in the mechanism.



LOAD RESTRICTIONS – The load in the rear basket must not exceed 8kg. This load in the front basket must not exceed 5kg. Your Top Gun Mobility scooter is designed to carry ONE person only (unless a dual seat model has been purchased). Never operate it with an additional person on board, including carrying a child.



TYRE INFLATION – Never inflate the tyres on your Mobility Scooter more than the manufacture’s recommended pressure shown on the tyres and within this owner’s manual.



STAIRS – Never use your Mobility Scooter on STAIRS. Do not try to go over obstacles that are more than the maximum recommended slope angle and obstacle heights given in the specification sheets for your Mobility Scooter. When driving over an obstacle, always drive so that the front of the scooter is facing the obstacle.



If for any reason your Mobility Scooter does not stop when you release the throttle control lever, or takes longer to stop than it should (3 meters on a level surface), turn the key switch to OFF and immediately contact your selling dealer.



WEATHER – Do not use your Mobility Scooter in Heavy Rain or Extreme Humidity, or at temperatures below -30°C (-22°F) or above $+45^{\circ}\text{C}$ ($+113^{\circ}\text{F}$).



The seat weighs 21kgs. Each battery weighs a minimum of 14kg. Be careful when lifting the seat and batteries. See instructions for lifting the seat and the batteries in the Maintenance Chapter. Always lift using your knees and legs, not your back.



BATTERIES – Only use batteries as recommended by an authorised dealer (lead acid maintenance-free sealed batteries or lithium depending on the model scooter you have purchased).



ACCIDENTS/DAMAGE – If your Mobility Scooter is involved in any kind of accident in which parts are damaged, you must arrange for a qualified technician to examine it before continuing use.

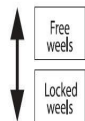


CHILDREN – Special Care must be taken to prevent children from operating your Mobility Scooter or riding as a passenger. Do not allow unsupervised children to play near your Mobility Scooter, especially when charging batteries.



Always drive carefully. Adjust your speed according to road conditions. When turning at high speed, your Mobility Scooter can become unstable. Before making sharp turns, reduce speed to a minimum to prevent roll-over.

CAUTION ON SLOPES !!



Your Mobility Scooter is able to go up slopes higher than the recommended safe slope. **HOWEVER**, do not drive on slopes whose incline you do not know. Always drive very slowly and do not drive on the side of such slopes. Before starting to drive, make sure your emergency brake operates correctly.

Do **NOT** release the manual release lever of the electromagnetic brake (EMB) when your Mobility Scooter is on a slope. When on any sort of an incline, never place the Mobility Scooter in freewheel mode (whilst seated on or standing next to it)



The lights on your Mobility Scooter (if fitted), should be turned on when visibility is reduced, regardless of day or night.



As your seat upholstery is fire resistant, do not cover it or replace with any upholstery other than upholstery of the same kind. When removing the battery cover, watch out for hot parts. The motor, axel, EMB, electronic cards and electronic controller might be hot! **DO NOT TOUCH** them until you have ensured temperature is not dangerous.



Do **NOT** operate a mobile phone, walkie-talkie, laptop or other radio transmitter whilst operating your Mobility Scooter



Removal of the grounding prong can create an electrical hazard. If it is necessary to use a 2-pronged electrical outlet, properly install an approved 3-prong adapter.



Do NOT connect an extension cord to the AC/DC converter or to the battery charger



Keep tools and other metal objects away from the battery terminals. Contact with tools can cause an electrical shock. Do not sit on the Mobility Scooter when it is on any type of lift/elevation product.



This symbol indicates that Explosive conditions exist



Disposal and Recycling. Contact your authorised dealer for information on proper disposal of your Mobility packaging and components



Always wear safety glasses when working on the Mobility Scooter



Contains Lead



Battery Charger is for INDOOR use only

WARNING!
Hot surface !!



At the rear of your Mobility Scooter is the manual release lever of the EMB. When using this lever, be careful not to touch the internal surface of the motor as it could be very hot and cause injury. See the warning label at the rear of the Mobility Scooter near the lever.

SAFETY OPERATIONAL INSTRUCTIONS

General

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

Your Mobility Scooter 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 Scooter 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 scooter to the user.



Healthcare Professionals and/or the authorized dealer 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 scooter 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 scooter 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 Scooter to provide maximum mobility and utility. Under no circumstances should you modify, add, remove, or disable any feature, part, or function of your scooter.

WARNING! Do not modify your Mobility Scooter 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 Scooter by any of its removable parts, including the armrests, seat, or shroud.

Weight Restrictions



Your scooter is rated for a maximum weight capacity. Refer to Specification sheet for details. Stay within the specified weight capacity for your scooter. 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 limitations.

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

Pre-Drive Safety Check

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



Perform the following inspections prior to using your scooter:

- 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 dealer for assistance.

Tyre Inflation

Your scooter 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 indicated on each tyre is maintained at all times. (Generally between 30-35psi) Do not under-inflate or over-inflate your tyres. Under-inflation may result in loss of control, and over-inflation may burst the tyre. Failure to maintain the indicated pressure rating at all times may result in tyre and/or wheel failure.

WARNING! Inflate your scooter tyres from a regulated air source with an attached pressure gauge. Inflating your tyres from an unregulated air source could over-inflate them, resulting in a burst tyre.

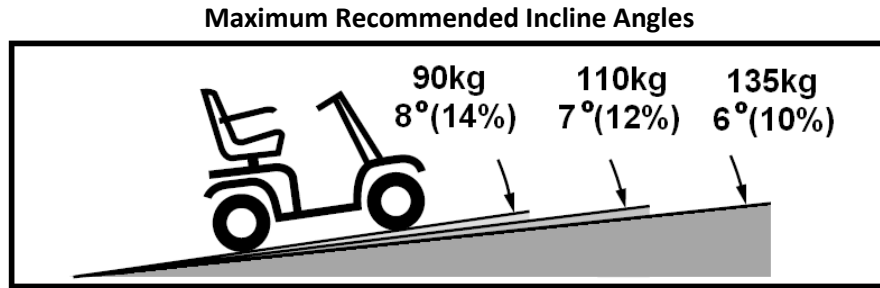
Incline Information

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 scooter.



- Proceed with extreme caution as you approach the downgrade of a ramp or incline.
- Take wide turns with your scooter around any tight corners. If you do that, the scooter'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 scooter'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



When driving up an incline, try to keep your scooter 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 scooter 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 scooter 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 scooter 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 scooter 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 scooter 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 scooter 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 scooters.

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

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

WARNING! Any attempt to go up or down a slope steeper than shown in Figure C may make your scooter 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 or more than 8 Kg (17.6lbs) in the rear basket.

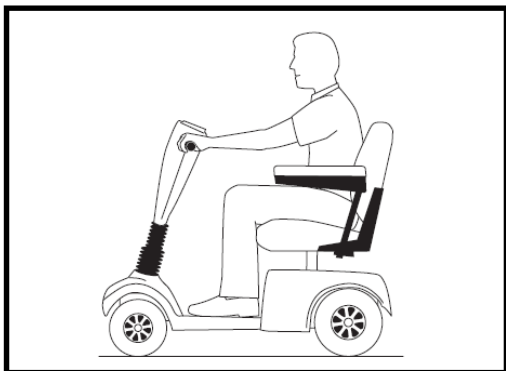


Figure B. Normal Driving Position

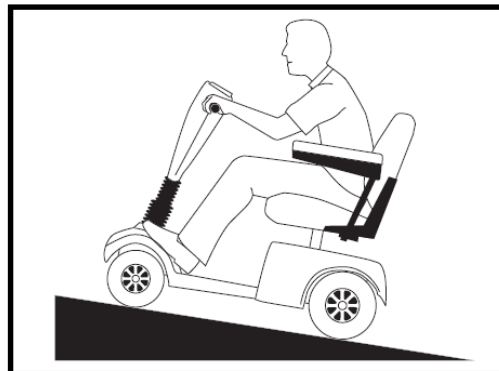


Figure C. Increased Stability Drive Position

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 scooter at higher speeds, do not corner sharply. This greatly reduces the possibility of a tip or fall. Always exercise your common sense when cornering.

Braking Information

- Your scooter is equipped with two powerful braking systems:
- Regenerative: Uses electricity to rapidly slow the vehicle when the throttle control lever returns to the centre/stop position.
- Park Brake: Activates automatically after regenerative braking slows the vehicle to a near stop, or when power is removed from the system for any reason

Outdoor Driving Surfaces

- Your scooter 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 scooter is designed to perform well on packed soil, grass, and gravel. Feel free to use your scooter safely on lawns and in parks.
- Reduce your scooter 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 scooter on public streets or roadways. It may be difficult for traffic to see you when you are seated on your scooter. Obey all local pedestrian traffic rules. Wait until your path is clear of traffic, and then proceed with extreme caution.

Stationary Obstacles (Steps & Curbs)



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 scooter 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").

Precautions during Unusual Weather

Avoid exposing your scooter to extreme weather.

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

PROHIBITED! Do not operate your scooter 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 scooter, possibly resulting in burns. Exercise caution when using your scooter in extremely hot or cold conditions or when exposing your scooter to direct sunlight for prolonged periods of time.

Freewheel Mode

Your scooter is equipped with a manual freewheel lever that, when pushed forward, allows the scooter to be pushed manually.

Some models ("RS" models) are also equipped with an electric button located on the dashboard to release the electromagnetic brake.

- Turn the key switch to ON position.
- To activate, push the button and hold.
- To release the brake just release the button (this function allows moving scooter manually)



Clutch Release lever



Automatic Freewheel Switch

- Disengage the drive motors only on a level surface.
- Stand beside the scooter to engage or disengage freewheel mode. Never do this while sitting on the scooter.
 - After you have finished pushing your scooter, always return it to the drive mode to lock the brakes (pull the manual freewheel lever backward).
 - When using the freewheel lever, be careful not to touch the internal surface of the motor, as it could be very hot and cause injury. See the warning label at the rear of the scooter near the lever.

WARNING! When your scooter is in freewheel mode, the parking system is disengaged

WARNING! Do not press the automatic freewheel button while the scooter is moving.

Stairs & Escalators

Top Gun Mobility scooters 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 scooter gently and slowly forward to push the door open.
- If the door opens towards you, drive your scooter 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 scooter and the door will reopen.
- Take care that handbags, packages, or scooter accessories do not become caught in elevator doors.

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

Lifts/Elevation Products

If you travel with your scooter, 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 scooter when it is being used with any type of lift/elevation product. Your scooter was not designed for such use, and any damage or injury resulting from such use is not our responsibility.

Batteries (also see Storage Instructions)



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! Scooter 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 dealer for instructions for disposal or for recycling (which we recommend).*

Preventing Unintended 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 Onto and OFF Your Mobility Scooter



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

- Remove the key from the key switch
- Ensure that your scooter 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 of 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 scooter to become unstable and tip, causing injury or damage

Reaching and Bending

Avoid reaching or bending while driving your scooter. 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 scooter deck or from either side of the scooter. Movements such as these may change your centre of gravity and the weight distribution of the scooter, 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 scooter. 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 scooter in a safe manner.

Smoking

WARNING! The manufacturer strongly recommends that you do not smoke while seated on your scooter, 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 scooter;

- 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 scooter while you are under the influence of alcohol, as this may impair your ability to operate the scooter in a safe manner.

Adjustments

Tiller Angle Adjustment

There are 2 different tiller adjustment levers on our scooters depending on which model you have purchased

Picture (a) press the lever down to release locking mechanism and push tiller backward/forward to desired position. Release the lever to lock position.

Picture (b) pull lever out to release locking mechanism and push tiller backward/forward to desired position. Push lever back in to secure the position



Seat Swivel & Slide Adjustment

Slide Back/Forth : using the lever at the front of the seat (circled in orange). Whilst sitting on the seat, squeeze this lever up, slide seat backwards or forwards to desired position

Swivel Sideways : using the lever to the right of your seat, push it forwards and turn seat. This is best done whilst sitting on the seat, using your feet as an anchor



Seat Reclining (where fitted)

The reclining seat is a fantastic feature and operates identically to most motor vehicles on the road today.

Simply pull the lever up to make adjustments and release once desired position is achieved

This lever also allows for the seat to fold down completely on itself for save storage/transport



Armrest Adjustments

There are 2 different armrest adjustment points on our scooters depending on which model you have purchased.

Picture (a) is the more common adjustment point, simply 'roll' this swivel with your thumb until the desired armrest level is achieved. This can be done whilst the armrest is in the down position

Picture (b) requires an allen key to be inserted and the swivel manually turned until desired position is achieved

(a)



(b)



ELECTROMAGNETIC AND RADIO FREQUENCY INTERFERENCE (EMI/RFI)



WARNING! Laboratory tests have shown that electromagnetic and radio frequency waves can have an adverse effect on the performance of electrically powered mobility vehicles. EMI/RFI can come from sources such as cellular phones, mobile two-way radios (such as walkie-talkies), radio stations, TV stations, amateur radio (HAM) transmitters, wireless computer links, microwave signals, paging transmitters and medium- range mobile transceivers used by emergency vehicles. In some cases, they can cause unintended movement or damage to the control system. Every electrically powered mobility vehicle has an immunity (or resistance) to EMI.

WARNING! Be aware that cell phones, two-way radios, laptops, and other types of radio transmitters may cause unintended movement of your electrically powered scooter due to EMI. Exercise caution when using any of these items while operating your scooter and avoid coming into close proximity of radio and TV stations.

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

WARNING! The scooter itself can interfere with other electrical devices located nearby, such as alarm systems.

Important Information:

- 20 volts per meter (v/m) is a generally achievable and useful immunity level, against interference from radio wave sources (as of May 1994) (the higher the level, the greater the protection);
- The immunity level of this product is not known.

➤ **Powered Scooter Electromagnetic Interference (EMI)**

Electromagnetic interference (EMI) from sources such as radio and TV stations, amateur radio (HAM) transmitters, two-way radios, and cellular phones can affect powered scooter and motorized scooters. Following the warnings listed below should reduce the chance of unintended brake release or powered scooter movement, which could result in serious injury.

- 1) Do not operate hand-held transceivers (transmitters-receivers), such as citizens band (CB) radios, or turn ON personal communication devices, such as cellular phones, while the powered scooter is turned ON.
- 2) Be aware of nearby transmitters, such as radio or TV stations, and try to avoid coming close to them;
- 3) If unintended movement or brake release occurs, turn the powered scooter OFF as soon as it is safe.
- 4) Be aware that adding accessories or components, or modifying the powered scooter, may make it more susceptible to EMI (Note: There is no easy way to evaluate their effect on the overall immunity of the powered scooter.
- 5) Report all incidents of unintended movement or brake release to the powered scooter manufacturer, and note whether there is a source of EMI nearby.

If unintended motion or brake release occurs, turn the power OFF as soon as it is safe. The following warning label is attached to your scooter in order to make users always aware that a possibility of electromagnetic interference exists.

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 15 degrees
- **DO NOT** back your scooter 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 scooter 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 scooter may make it more susceptible to interference from radio wave sources.

BASIC OPERATING INSTRUCTIONS

- # 1
- The main key switch is located on side of tiller column
 - The key switch has two positions:
 - OFF: The scooter cannot be driven and the EMB is locked.
 - ON: Power is supplied to the scooter and the EMB is released automatically when the throttle control lever is squeezed.

To operate, insert the key in the key switch and turn it to ON (clockwise). The switch will remain in this position and the Power indicator will be lit.
Note: The key switch is used to operate the scooter, not for locking.

Adjust the position of the handlebars (height and distance) as follows:

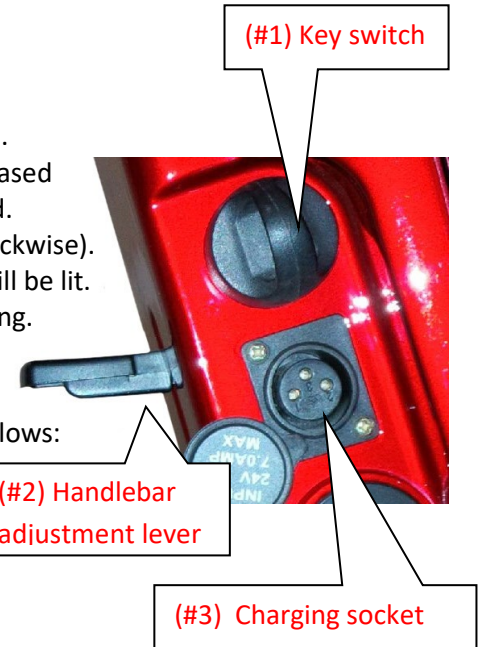
- # 2
1. Push the handlebar adjustment lever (which locks the handlebars in place), and move the handlebars to the position you want.
 2. Release the lever to lock the handlebars in place.

Before attempting to drive the scooter, make sure the plug is disconnected from the charging socket.

3

Insert the charger plug in the charging socket located on the right side of the tiller column to charge your scooter.

Note: While the plug is in the charging socket, the scooter cannot be operated.



Standard Dashboard Configuration (“RS” Models Only)

(Explanations on following pages)

FIGURE 1

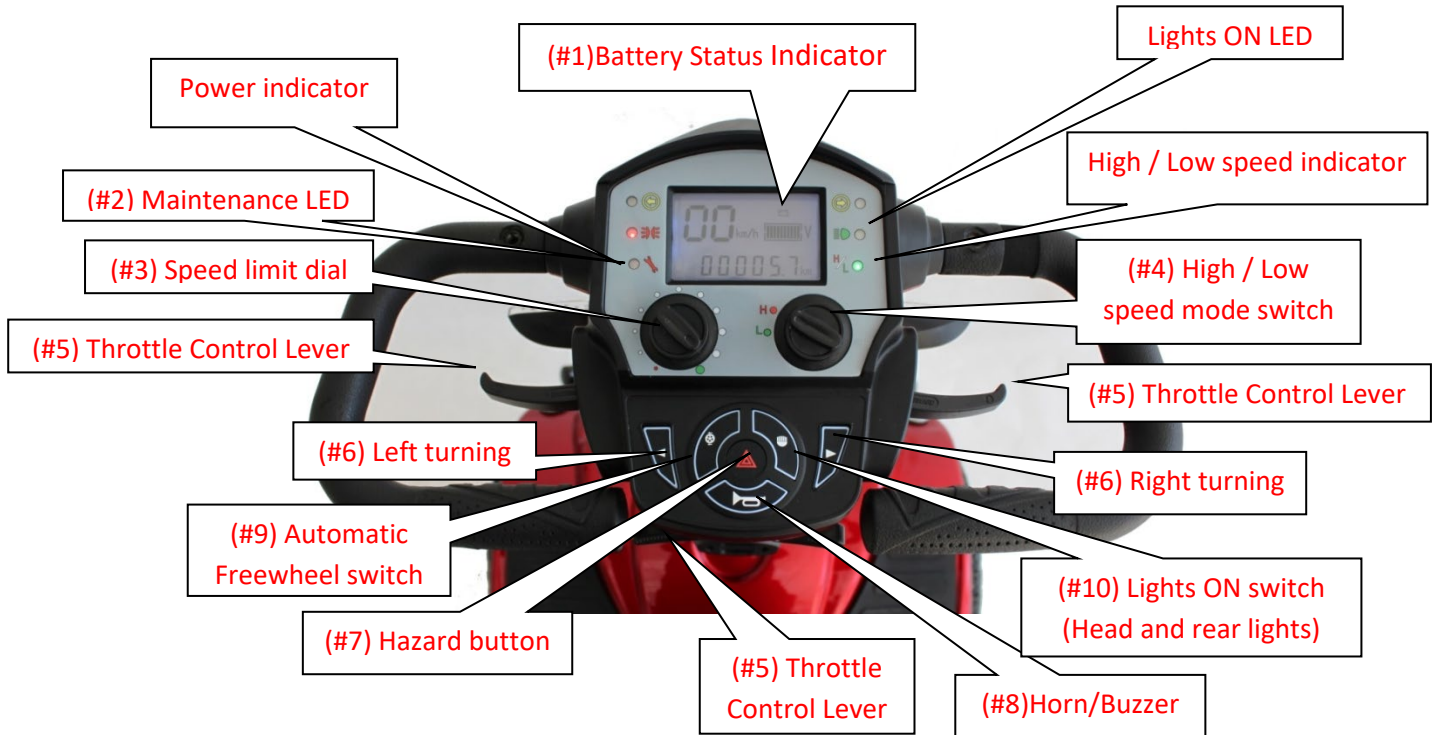


Figure 1 Explanations:	
# 1	<p>Battery Status Indicator: The battery status indicator is located on the tiller panel and shows you the remaining capacity of the batteries. Like petrol gauges in cars, the indicator is not absolutely accurate; it is merely a guide to help stop you running out of fuel.</p> <p>The accuracy of the indicator also depends on the type and age of the batteries. When the indicator shows 4 bars, recharge batteries as soon as possible. When the indicator shows 2 bars, recharge immediately.</p>
# 2	<p>Maintenance LED: When the LED is flashing, it blinks the code of the fault.</p>
# 3	<p>Speed Limit Dial: The speed limit dial is located on the handlebar panel.</p> <ul style="list-style-type: none"> • When the speed limit dial is set to MAX, the scooter will drive at approx. 10 km/hr. • When the speed limit dial is set to MIN, the scooter will drive at approximately 3km/hr. <p>Do not change the speed limit dial setting while the scooter is moving. Set the speed limit dial to MIN:</p> <ul style="list-style-type: none"> • Until you get used to driving your new scooter, and • When driving the scooter inside a building or in a crowded area
# 4	<p>High/Low Speed Mode Switch: Set the maximum speed of the scooter to HIGH or LOW speed. Use the LOW speed mode when driving in close and crowded areas.</p>

# 5	<p>Throttle Control Levers: Gently squeeze the throttle control lever (depending on whether you want to drive forward or backward) until you reach the desired speed. Your speed is directly proportional to the deflection of the throttle control lever.</p> <ul style="list-style-type: none"> • Note : You can squeeze one side of the throttle control lever towards you, or you can push the other side away from you to achieve the same effect. Throttle control selection can also be activated by fingers or thumb of both hands, use whichever method is most comfortable for you. • To Stop : Release the throttle control lever. The scooter will stop gradually (within 3mtrs when on a level surface)
# 6	<p>Left & Right Turning Buttons: Before you turn, press the applicable indicator button.</p> <ul style="list-style-type: none"> • When a turn indicator is activated, the applicable LED will flash. • To turn off the indicator, press the button again.
# 7	<p>Hazard Button: The Hazard button activates the hazard lights (front and rear blinkers).</p> <ul style="list-style-type: none"> • To turn off the hazard lights, press the button again
# 8	<p>Horn/Buzzer Button: To activate the horn, push the buzzer button (horn)</p>

# 9	<p>Automatic Freewheel Switch: Turn the key switch to ON position. To activate push button and hold. To release the brake just leave the button. This function allowed moving scooter manually.</p> <p>WARNING! Do not press the automatic freewheel button while the scooter is moving.</p>
# 10	<p>Headlights & Rear Light Switch: To turn on the lights (headlight and rear lights), press the Lights button. When the lights are on, the Light LED is lit. To turn off the lights, press the button again</p>

Program Controller

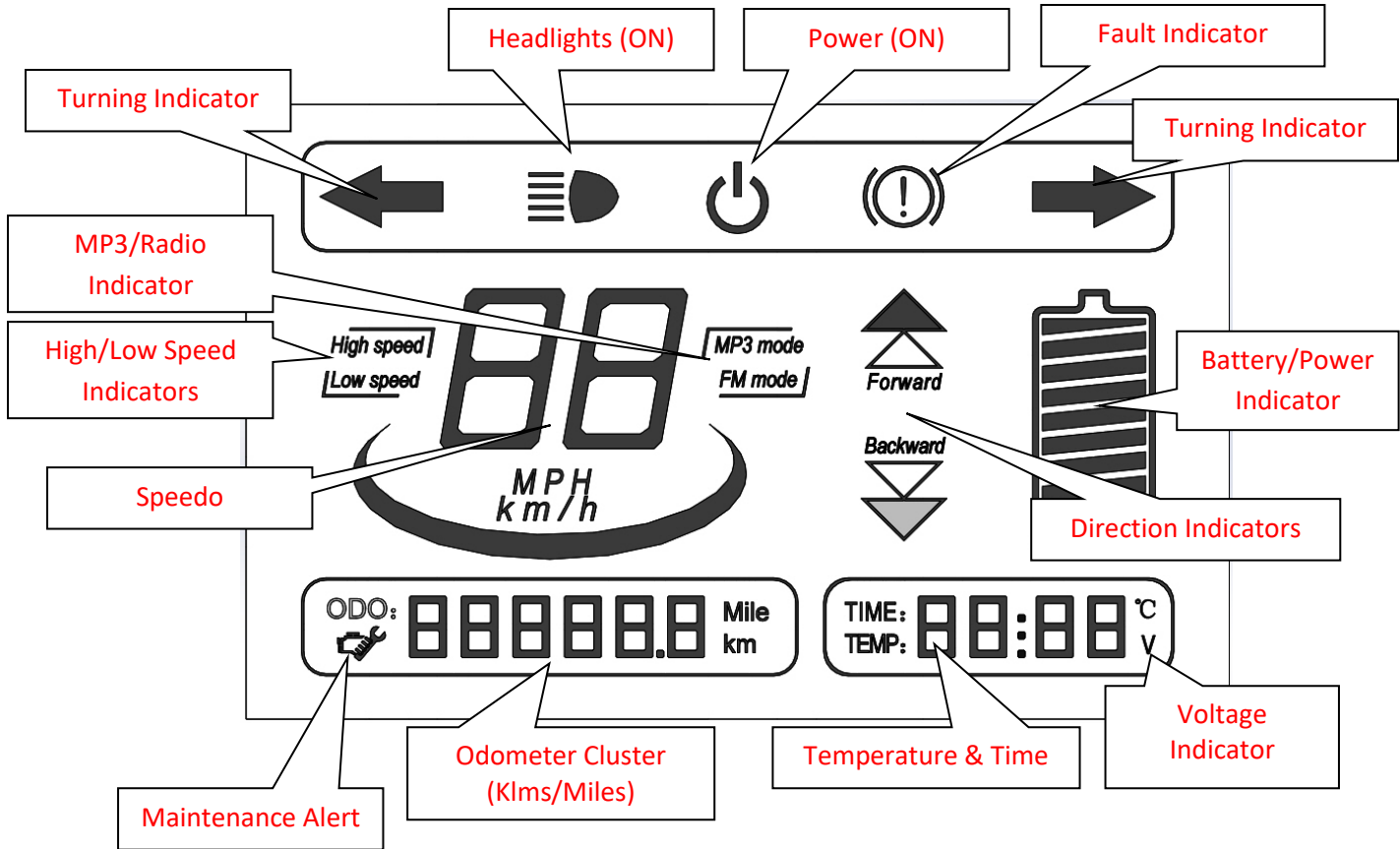
Several parameters of the scooter controller can be programmed. Programming must be done by trained authorized technician only. Incorrect programming can cause abnormal operation of the scooter and may result in damage and personal injury.

Performance Checks

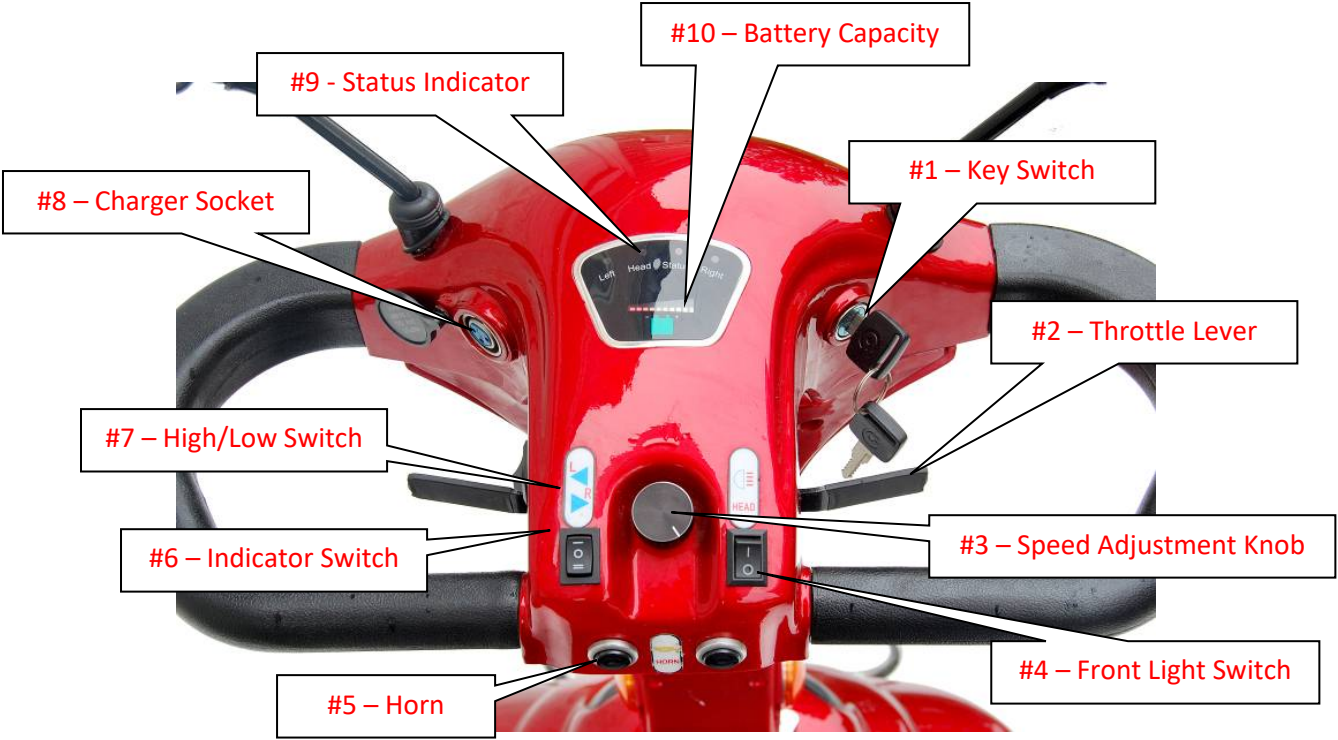
A performance check is highly recommended when you first receive your scooter or after a period of not using:

1. Turn on the key switch.
2. Verify that both the ON LED and the battery status indicator are lit.
3. Slowly squeeze the drive control lever and verify that the scooter travels at a speed that corresponds to the degree to which you are squeezing the lever.
4. Release the throttle control lever and verify that the scooter stops smoothly, and that you hear the click of the EMB engaging.
5. Check that all the buttons on the dashboard work correctly.
6. Switch off the key switch.

New PCB Display



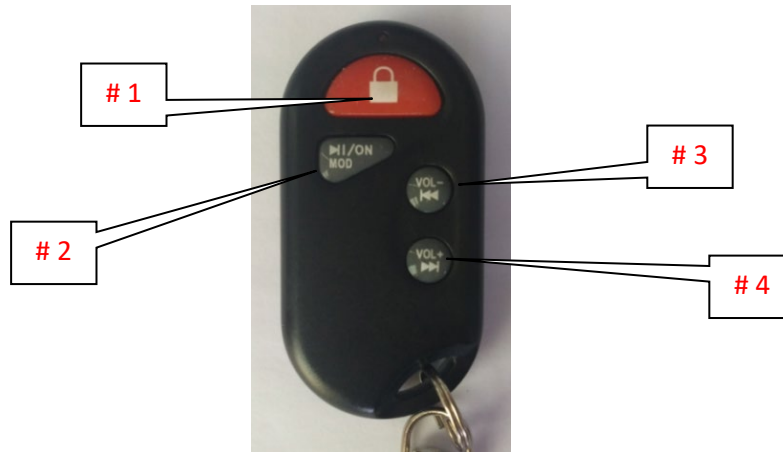
TG400R Dashboard Configuration



Remote Control – Pairing remote with Mobility Scooter

The following method will pair the remote to the Mobility Scooter and save all remote control setting parameters.

- 1) Press the “Hazard” button on the Scooter Dashboard panel for 3 seconds, until “Power Indicator” light begins to flash.
- 2) Press Button #1 on the remote for 3 seconds until the left turning indicator light comes on
- 3) Press Button #2 on the remote for 3 seconds until the right turning indicator lights comes on
- 4) Press Button #3 on the remote for 3 seconds until the headlight indicator lights comes on
- 5) Press Button #4 on the remote for 3 seconds until the high/low speed indicator light comes on
- 6) On the Scooter Dashboard panel press and hold the “Hazard” button for 3 seconds until all lights flash



Using the MP3 Player and Radio

Once remote has been paired to the scooter the following instructions will assist with switching between MP3 and Radio, playback, scanning for stations, volume and muting.

When you first turn your scooter on with the key, your media player will be switched off. To turn it on;

- Press Button #1 and your MP3 Player will start (pair your Bluetooth device now following your devices general instructions for pairing)
- Press Button #1 again to switch to FM RADIO
- Press and hold Button #2 to turn Media player off

LCD Display Screen will light up showing either MP3 or RADIO depending on which selection has been made

During Use;

- Press Button #2 to mute/pause playback (note if muting whilst radio is playing, it will start up again once the scooter is in motion)
- Press Button #3 or Button #4 to scan up and down through Radio Stations when in Radio Mode
- Press Button #3 or Button #4 to play previous/next track on MP3 player
- Press and hold Button #3 to Decrease Volume
- Press and hold Button #4 to Increase Volume

Setting/Adjusting the Clock (RS models)

Please read ALL instructions before proceeding.

Resetting the Clock/Changing the Time can be achieved by following the below instructions;

- 1) Press and Hold the Front Headlight Button for approx.. 3-4 seconds (until the clock starts flashing)
- 2) Whilst the clock is flashing you can adjust the number up or down by using the Left or Right Indicator Buttons
- 3) Press the Front Headlight Button to switch between Hours : Minutes
- 4) Press and Hold the Front Headlight button until flashing ceases



Battery Charging

Please ensure you read this section of your Owner's Manual prior to use. These instructions are written based on you using the charger supplied with your Mobility Scooter.

To ensure the best performance and maximum battery life, we recommend frequent battery charging. Your Scooter comes with an external battery charger for your ease and convenience. The console battery display makes charging simple and easy. It is recommended that you charge your scooter every night.

- 1) The console battery level display has red lights; each indicates 10% of battery charge. This acts like an automobile fuel gauge.
- 2) On a level, dry surface, turn off the power key and plug the extension cord into the charger socket located on the steering console. Then plug the other end of the charger cord into a wall outlet.
- 3) Charge the battery for 6-8 hours depending on the usage before charging. Disconnect the charger from the wall outlet, disconnect the extension cord from the scooter, insert key into tiller and check if all gauge lights are on.

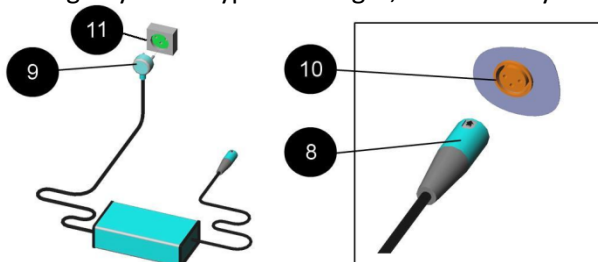
There is no possible way to overcharge the battery as the charging voltage is set constant. In general, you may start charging before you go to bed at night and disconnect it in the next morning.

Follow these steps for battery charging.

- 1) Insert the charger plug (8) in the charging socket (10) located on the right side of the tiller column.
- 2) Plug the charger power cord (9) into a wall socket (11).
- 3) When charging is complete, remove the charger power cord (9) from the wall socket (11) and then remove the charger plug (8) from the charging socket (10).
- 4) Under ideal storage conditions, batteries that were charged to full capacity and were not used should be recharged every month
- 5) If you expect not to use your scooter for an extended period of time, we recommend charging it for two days and then disconnecting the batteries.
- 6) If you have not used your scooter for an extended period of time, charge the batteries for at least 24 hours before driving.

Note:

- There is NO need to disconnect the charging plug immediately after the charging is complete.
- However, DO NOT leave the charger connected to the batteries FOR MORE THAN TWO WEEKS.
- As long as the charging plug is in the charging socket, the electronic control of the scooter automatically cuts all power to the electric system and it cannot be driven.
- The charger supplied is suitable for charging lead acid dry/gel batteries. Use only the defined type of charger. Before using any other type of charger, check with your dealer.



MAINTENANCE SCHEDULE

Although your scooter requires very little maintenance, do not neglect it. When performing maintenance procedures on your scooter, make sure that it is parked on a level surface and that the key is not inserted.

DAILY

- Check brake effectiveness before you drive.
- Recharge batteries fully every night.

WEEKLY/FORTNIGHTLY

- Check tyre pressure. The pressure should be between 30-35 psi.
- Clean seat upholstery, plastic body and covers. To avoid electrical failure, do not spray water directly into your unit.
- Use a damp clean rag to clean all parts.
- Check and tighten the throttle lever attachment screws.

MONTHLY

- Check battery condition. Clean terminals if necessary.
- Check all electrical wire connectors to eliminate loose connection.
- Tighten all exposed bolts and nuts.
- Check wheel bearings by spinning tyres and checking for free rotation.

EVERY TWELVE MONTHS

- Visit your dealer and have a trained technician comprehensively service your scooter
- Under normal use, batteries should last between 2-3 years. These should be replaced by your dealer

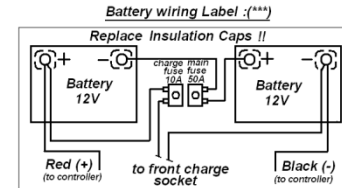
BATTERY REPLACEMENT

Note! To ensure your safety, Batteries must be replaced by a trained technician only.

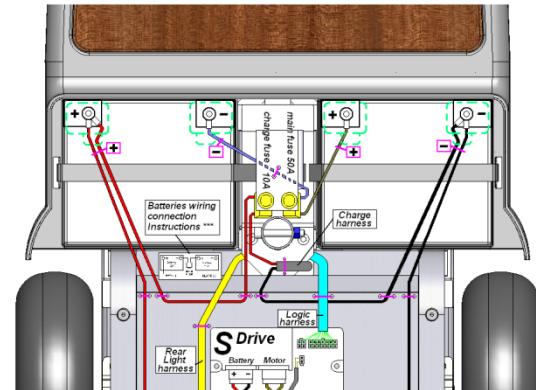
Warning! Batteries contain high energy and can spark, resulting in a possible fire hazard.

Warning! Working with batteries can cause damage and Injury if not done properly.

1. Remove the terminal insulating cap from one battery terminal.
2. Using an 8mm key, unscrew the wiring from the terminal. Take care not to let the key touch any other terminal or metal part, as this could cause damage or injury.
3. Repeat steps 1 and 2 for all the other terminals.
4. Remove the old batteries and install the new ones.
5. Connect the wires of the new batteries as shown in Figure below 6. Screw down the terminals securely, and replace the insulating caps.



Rear Wiring connection and Fixing Instructions:



TROUBLESHOOTING and REPAIRS

The following table provides troubleshooting and repair instructions for problems that may be encountered when operating your Mobility Scooter, as well as the best way to correct the issue.

Symptom	Probable Cause	Remedy
Flat tyre and unstable driving	<ul style="list-style-type: none"> ➤ Low Air Pressure ➤ Puncture 	<ul style="list-style-type: none"> ➤ Pump tyre to normal pressure ➤ Repair/Replace tyre
Key is turned ON but ON Light does not come on	<ul style="list-style-type: none"> ➤ Main fuse blown ➤ Electrical fault 	<ul style="list-style-type: none"> ➤ Replace fuse <p>NB: Do not replace a fuse more than twice. If the symptom is recurring call for technical support</p>
Scooter does not move when you squeeze throttle control lever	<ul style="list-style-type: none"> ➤ Key switch is OFF ➤ Charger is connected to charging socket ➤ Control System failure 	<ul style="list-style-type: none"> ➤ Turn Key Switch to ON position ➤ Disconnect Charger ➤ Call for technical support
Intermittent driving	<ul style="list-style-type: none"> ➤ Battery capacity is low ➤ Faulty connections ➤ Faulty battery 	<ul style="list-style-type: none"> ➤ Charge batteries for at least 18hrs ➤ Remove batter cover and check battery connection. If terminals are corroded, clean them with a damp cloth
Turning Indicators inoperative	<ul style="list-style-type: none"> ➤ Faulty LED light board 	<ul style="list-style-type: none"> ➤ Replace LED Board <p>NB: refer to your dealer for support</p>

Headlight/Tail lights not lit	➤ Burnt out LED bulb	➤ Replace LED bulb
Reduced Speed on uphill grades or heavy loads	➤ Controller becoming overheated	➤ STOP driving and allow your controller to cool down
Takes longer than 3mtrs to STOP	➤ Controller is faulty or out of adjustment	➤ Call for Technical Support

Remember! Contact your dealer at any time for further professional support

Replacement Parts

Most replacement parts can be purchased by your selling dealer

WARRANTY

This is to certify that your TOP GUN MOBILITY product offers a limited 5 Year Warranty from the date of original purchase. Should a defect or operating fault arise within this period the Dealer, from where the product was originally purchased, should be notified immediately. Failure to register the fault may invalidate the warranty.

The Dealer 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.***

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

FIVE-YEAR LIMITED WARRANTY

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



THREE-YEAR LIMITED WARRANTY

Your Top Gun Mobility Scooter is fully guaranteed for three (3) years from the date of purchase against faults arising due to defects in manufacture or materials. This warranty does not detract from, but is in addition to your legal rights.

All electronic parts, including controllers 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.

WARRANTY SERVICE PERIOD

The service intervals are every 500km 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.

STORAGE INSTRUCTIONS

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

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

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

Always store your scooter with batteries fully charged. When storing the scooter 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 info@topgunmobility.com.au
- Call us on (07) 3282 8211 and ask for Customer Service

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 dealer/repairer is required to verify that the recommended routine maintenance has been performed on this Mobility Scooter. An accurate record is necessary to protect your warranty.

Always present this book to the dealer 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.

DEALER/REPAIRER: DATE: KLMS:	DEALER/REPAIRER: DATE: KLMS:
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