

FreeRider

Mini SCOOTER

USERS INSTRUCTION MANUAL



FR-M01



FR168-4A-12Ah



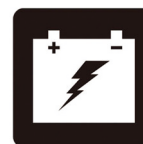
OPERATION



COMFORT



MAINTENANCE



BATTERY CHARGING

SAFETY GUIDELINES



Warning!

An authorised provider or a 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 them and understand them completely.



Warning!

Indicates a potentially hazardous situation. Failure to follow the designated procedures can cause either personal injury, component damage, or malfunction.



Caution!

Means if the precaution is not taken, it may cause minor or moderate injuries. We advise consumers to pay close attention in order to minimise the risks and damages.



These actions are prohibited. These actions should not be performed at any time or in any circumstances. Performing a prohibited action can cause personal injury and/or equipment damage.

CONTACT INFORMATION

Please fill out the following information for quick reference:

Supplier: _____

Address: _____

Phone Number: _____ *Purchase Date:* _____

Note: This manual contains the latest specifications and product information, we reserve the right to necessary changes without prior notice, any change in the product may cause a slight difference in the illustration or description, the latest version of the user manual is available on our website.

If you have any question about the accessories, the parts you've ordered or the service you've received from FreeRider authorised dealer, please feel free to contact the manufacturers at the address below:

FREERIDER

No.22, Bengong 5th Rd., Gangshan Dist.,
Kaoshiung City 820, Taiwan(R.O.C.)

Tel : 886-7-6223093

Fax : 886-7-6230373

Email: sales@freerider.com.tw

<http://www.freerider.com.tw>

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INTRODUCTION

Congratulations on the purchase of your scooter! Please read this User's Instruction Manual and Safety Guide carefully before you attempt to operate your scooter. Your User's Instruction Manual is your guide to safe operation and the maintenance of your scooter.

Before beginning to use your scooter, make sure that you have completely read and understood all instructions thoroughly. Please observe the **"Feature Guide"**, **"Batteries And Charging"** and the **"Safety Warnings & Instruction Labels"** outlined in this manual and safety guide. If you have any questions concerning operation or maintenance, consult your authorised dealer. Please keep in mind that the operator of the scooter is responsible for accidents or hazards to other people or their properties.

Your scooter has numerous features not found on other scooters. With proper care and maintenance, you will enjoy many years of dependable service from your scooter. Your scooter needs to receive proper maintenance at regular intervals and should be inspected frequently for proper mechanical operation. Troubleshooting guidelines, methods of detecting improper operation and how to make minor adjustments are all included in this manual.

Follow all recommendations to obtain trouble free, safe and enjoyable operation of your scooter.

When you are reading this manual, the word usages may not be the same due to regional difference.

UK	US	UK	US
Authorise	Authorize	Kurb	Curb
Anti-clockwise	Counterclockwise	Motorise	Motorize
Centre	Center	Minimise	Minimize
Colour	Color	Neutralise	Neutralize
Customise	Customize	Travelling	Traveling
Familiarise	Familiarize	Tyre	Tire
Grey	Gray	Forwards	Forward

INTENDED USE

The intended use of the scooter is to provide mobility to persons with limited mobility due to an injury, physical disability or medical condition which means that they are unable to or have difficulty in walking.

The scooter is designed for single occupancy only. User should receive basic operation training when using the device for the first time. Harmful operations, such as carry passenger and/or accessories which will exceed scooter's maximum weight capacity, are not allowed.

For the safety and good scooter condition, user should avoid soft, steep incline, uneven terrain, and heavy rain, deep snow, deep water, and moist environments.

SAFETY RULES & INSTRUCTION LABELS

INSTRUCTION LABELS

The following labels are positioned on your scooter. These labels illustrate important warnings or instructions regarding the safe operation of you scooter. Please familiarise yourself with their location.

LABELS:



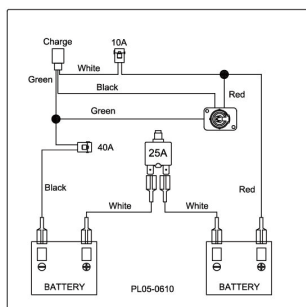
Located on top console



Located on handle cover



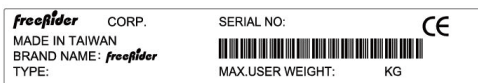
Located on rear cover



MAIN CIRCUIT BREAKER
PRESS TO RESET



Located on battery case



Located on side chassis

SAFETY RULES & INSTRUCTION LABELS

SAFETY CONFIRMATION

In order to understand your scooter's capabilities. We recommend that you read and understand all the safety instructions mentioned in this user's manual before using to ensure your safety and the smooth operation of the scooter.

Your scooter is a powerful machine. Please read all of the instructions in this manual before operating your scooter. Follow notes carefully to ensure safety at all times.

1. **DO NOT** operate or place the scooter under extreme weather (eg. heavy rain, snowing).
2. **ONLY** drive your scooter if your health condition allows you to be safe.
3. **DO NOT** carry passengers or exceed the maximum carrying weight.
4. **DO NOT** drive your scooter where you cannot safely or legally walk.
5. **DO NOT** drive your scooter unless the seat is locked into the driving position.
6. **DO NOT** drive your scooter in a confined space unless the speed adjustment dial is set low.
7. **DO NOT** turn suddenly at full speed, especially on an uneven or a sloping ground.
8. **DO NOT** drive when you are under the influence of alcohol or certain drugs which may impair your safety.
9. **ALWAYS** keep your feet on the vehicle while driving.
10. **ALWAYS** avoid uneven or slippery surfaces.
11. **DO NOT** drive your scooter over deep, soft terrain (eg. soft earth, deep grass, loose gravel, snow).
12. **ALWAYS** consult your doctor or your therapist if in doubt about your ability to operate a scooter.
13. **ALWAYS** strap down your scooter while transporting it in a vehicle and then transfer to the vehicle seat.
14. **DO NOT** drive on motorways, (eg. those with a speed limit of over 50mph), cycle lanes or in bus lanes.
15. **ALWAYS** wear bright or reflective clothing.
16. **DO NOT** arbitrarily modify your scooter.
17. **DO NOT** climb or descend kerbs that exceed the maximum dimension detailed under technical specification of this manual. **DO NOT** turn when negotiating kerbs.

SAFETY RULES & INSTRUCTION LABELS

18. **ALWAYS** approach obstacles straight and slowly.
19. **ALWAYS** proceed carefully while riding, especially as you approach the downgrade of a ramp.
20. The batteries fitted to your scooter are maintenance free and **DO NOT** require topping up with distilled water.
21. **DO NOT** drive your scooter through deep water or clean with a high pressure hose.
DO NOT drive your scooter through sea sand or sea water, this is very corrosive.
22. **ALWAYS** wash salt splashing from the metal parts of your scooter with hot soapy water as soon as possible.
23. If unintended movement or brake release occurs, turn the scooter OFF as soon as it is safe place.
24. Report all incidents of unintended movement or brake release to the scooter local dealer, and note whether there is a source of EMI₁ nearby.

Please remember you are a motorised pedestrian and must observe all rules and regulations of other pedestrians wherever possible. Your scooter has been designed for use on most roads. However, you still must drive it with care and attention.

EMI (Electromagnetic Interference):

EMI is unwanted interference in electric path or circuit caused by outside source, which can cause electronic operate poorly, malfunction or even stop working. There are many factors can cause EMI, such as electric frequency and magnetic fields caused by either natural or human-made source.

*NOTE: **NOT** all the electric/ magnetic fields will result in malfunction on your scooter, the device has been tested and pass the EMC (electromagnetic compatibility) test.*

QUICK START GUIDE

This section is to help you quickly become acquainted with your merchandise by giving you start-up information. More details can be found in rear pages.

1. REMOVE THE SCOOTER FROM BOX.

- Pull up the handlebar. (Please refer to raising the tiller)
- Take out the seat, armrests and basket.
- Remove cardboards.
- Lift out the scooter and remove paking materials.



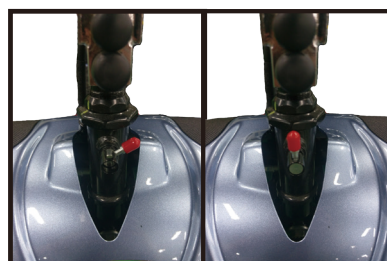
Caution! **DO NOT** lift the scooter by plastic cover, or it may cause damage to your product.

2. RAISING THE TILLER.

- Pull up the lock lever and raise the tiller up, then push down the lever to secure the tiller. (Find more details in **COMFORTABLE ADJUSTMENT** section)

3. LOCK/UNLOCK THE TILLER.

- Push and locate the steering lock pin in gap to prevent the tiller steering around when store or transport the scooter.
- Simply pull up the lock pin out of the gap, it will release the tiller immediately.



LOCK

UNLOCK

IMPORTANT

4. CHARGING THE BATTERIES.

Charging the batteries before driving the scooter and after using. **NEVER CHARGE THE BATTERIES FOR MORE THAN 24 HOURS CONSECUTIVELY.**

To charge batteries:

- Put the scooter in drive mode.
- Open the charge socket cover. (On the battery case)
- Plug one end of the charger into charge socket and the other end into a standard wall outlet.
- The charger has light to indicate the charging condition. "RED" light indicates power on but disconnect with battery; "ORANGE" light indicates it is in charging process; "GREEN" light indicates charging is complete.



Warning! **ONLY** use the charger shipping with your scooter or provided by your authorised dealer. Failure to observe this will cause damage to your scooter and void the warranty.

QUICK START GUIDE

5. DRIVING YOUR SCOOTER.

- Insert the key and turn clockwise.
- Preset your speed with the speed adjustment knob.
- Press the wigwag to go forwards or backwards.

NOTE: Always remove the key when boarding and exiting the scooter.

6. OPERATING FREEWHEEL MODE.

- Before switching to the freewheel/drive mode, remove key from scooter.
- Place the scooter on LEVEL GROUND.
- Stand to the rear of scooter.
- Push the brake lever forwards to freewheel mode, you can push scooter easily.
- Pull the brake lever backwards to drive mode, enable the scooter to drive.

NOTE: If you suddenly feel hard to push your scooter while in freewheel mode, it is not malfunction. The braking system activates automaticly to protect the device on detecting the scooter is moving over defined speed.



Warning!

- **DO NOT** sitting on and/or place the scooter on an incline while in freewheel mode. Failure to observe this may cause personal injury or damage to your property.
- **DO NOT** drive your scooter if the scooter still can drive in freewheel mode or you can push it easily while in drive mode. The situations should never be allowed, contact your authorised dealer immediately if these cases happen.

7. TAKE APART YOUR SCOOTER.

For transport or traveling purpose, your scooter can be taken into several parts.

- Pull up the lever on left bottom side of the seat and remove the seat.
- Disconnect the battery case and scooter, remove the battery case.
- Pull the chassis fixing knob straight up to apart the front and rear chassis.

To assemble the scooter, operate the steps above reversely, your scooter is ready to go.



ABOUT YOUR SCOOTER

FR-M01



Features

- | | |
|-----------------------------------|--------------------------------------|
| 1. Adjustable steering handle bar | 10. Armrests |
| 2. Top Console | 11. Daytime running light (optional) |
| 3. Charging socket | 12. Steering lock pin |
| 4. Removable basket | 13. Seat swivel lever |
| 5. Battery pack | 14. Knob (for fixing seat) |
| 6. Floor mat | 15. Brake release lever |
| 7. Solid rear wheels | 16. Rear bumper |
| 8. Solid front wheel(s) | |
| 9. Seat | |

Note: Some styles will differ depending on the location of your authorized dealer.

A range of accessories are available from your authorised FreeRider dealer to further customise your scooter needs. Under no circumstances should you modify, add, remove or disable any feature, part or function of your mobility scooter.

ABOUT YOUR SCOOTER

FR168-4A-12Ah



Features

- | | |
|-----------------------------------|--------------------------------------|
| 1. Adjustable steering handle bar | 10. Armrests |
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| 6. Floor mat | 15. Brake release lever |
| 7. Solid rear wheels | 16. Rear bumper |
| 8. Solid front wheel(s) | 17. Headlight (optional) |
| 9. Seat | |

Note: Some styles will differ depending on the location of your authorized dealer.

ABOUT YOUR SCOOTER

Get to know the feel of your scooter and it's capabilities. FreeRider recommends that you perform a safety check before each use to make certain your scooter operates smoothly and safely. For details on how to perform these necessary inspections, see the "Care & Maintenance" section of this manual. Perform the following inspection prior to using your scooter.

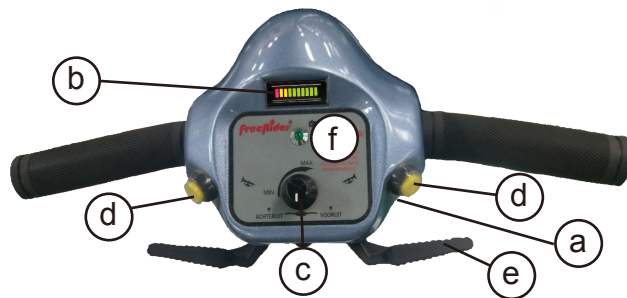
1. Check all battery connections, making certain they are tight and not corroded.
2. Check front basket is fitted correctly.
3. Check batteries have been fully charged.
4. Check operation of brakes.

TOP CONSOLE FUNCTION

The top console on the handle controls all functions, including forwards/reverse/speed control/horn/power status. The console features are shown below.

- a. Key switch
- b. Battery status meter
- c. Speed adjustment knob
- d. Horn
- e. Wigwag
- f. Status indicator
- g. Headlight switch (optional)

T style handlebar



Grip style handlebar



ABOUT YOUR SCOOTER

a. Key switch

Insert the key and turn clockwise. You will notice that after a second, battery state meter moves towards to show the current battery status and daytime running light illuminates. Your scooter is now ready to drive. To switch off your scooter, turn the key anti-clockwise. Remove the key when your scooter is left unattended.



Warning!

- **If the key switch is switched to the "OFF" position while your scooter is in motion, the electronic brakes will engage and your scooter will come to an abrupt stop! You should "ONLY" switch off when in motion in the case of an EMERGENCY. Continual use in this behavior may cause undue stress to the drive system and damage the main electronic speed control unit. Be extremely cautious on slopes! Sit upright in your seat or your machine could become less stable.**
- **DO NOT attach heavy additional keys to your key ring since the weight can damage the switch unit.**

b. Battery status meter

The battery status meter indicates how much power your batteries left. When the indicator approaches yellow area, you should start return journey, and charge your scooter as soon as possible.



LED from left to right	Color	Power
Zone1 (1)	Red	Very Low
Zone2 (2-3)	Yellow	Low
Zone3 (4-10)	Green	Medium~Full

c. Speed adjustment knob

This allows you to pre-select your desired top speed. The dial is proportional to speed and can be set anywhere between minimum ("min") and maximum ("max") increments. Turn the dial knob anti-clockwise to minimum for a very gentle operation, and clockwise towards maximum to increase your top speed.

Remember, the higher position the speed dial is set to, the faster the scooter will be.

d. Horn

Press the horn button to sound the horn. The horn will sound for as long as the horn button is pressed.

ABOUT YOUR SCOOTER

e. Wigwag - Easy Ride your Scooter!

Your speed for forwards and reverse motion and braking is controlled here. Control the rate of speed by the pressure applied to lever. When you release the lever, it will return itself to center position, and the scooter will gently stop.

Different handlebar styles have opposite operating way:

T style handlebar



Grip style handlebar



Warning!

- **DO NOT** hang bags etc over the steering handlebars which could interfere with the movement of your control lever. Failure to observe this warning could put you in a dangerous situation.
- If you are not an accomplished outdoors powered vehicle driver, we strongly recommend that you first practice in an open, safe area, free from traffic, preferably with somebody who can assist you with this scooter.

f. Status indicator

When you turn your scooter on, the fault indicator and power light on your console will illuminate. The status light is connected to a very sophisticated diagnostic system, which can identify faults which could occur on the main speed control system or some other part of your scooter's electronic drive system.

For instance, if you notice the status light flashing at two flashes per second, you are being notified that the battery voltage is too low and you must stop using your scooter at the earliest opportunity and charge your scooter as soon as possible.

Your status light has nine similar flashing diagnostic signals, these diagnostic codes are found under "**Status Fault Codes**" at the rear of this manual.

g. Headlight switch (optional)

Depending on different sales area, certain model would be equipped with headlight. You could light on the headlight by flipping the switch with ease.

ABOUT YOUR SCOOTER

FREEWHEEL PROCEDURE

Your scooter is equipped with a manual freewheel mechanism for your convenience to push the scooter easily.

To put your scooter in freewheel mode:

- Locate the magnetic brake release lever (red handled lever) situated at the rear right hand side of your scooter under your seat.
- Make certain the power switch is switched off; stand at rear of scooter.
- Push the magnetic brake release lever forward until a distinct click is felt to disengage the magnetic brake. You can now push your scooter with ease.



Lever at front, unit in freewheel mode.

Lever at rear, unit in driving mode.

Note: When your scooter stops in the freewheel mode while pushing, it is not stuck or broken. The safety feature on the scooter will automatically trigger when the scooter is pushed quicker than a slow walking speed.

To engage the drive system:

- Simply pull the magnetic brake release lever backwards until a distinct "click" is heard. If the power switch was left on while in freewheel mode, your scooter is unable to drive; simply power off and enable driving mode, and then switch on power.



Warning!

- **If your scooter is in the freewheel mode, you will not be able to drive. Dismount and re-engage the drive system by pulling back on the magnetic brake release (red handled lever). Remount on your scooter. Switch the power off and on to clear the fault. Your scooter will now drive again.**
- **Always double check that the freewheel mechanism, and magnetic brake release lever is disengaged or in the drive position before attempting to drive your scooter after it has been left unattended for a period of time. Failure to observe this warning may result in an accident.**



Sit on your scooter with the freewheel mechanism in the disengaged position. Your scooter has limited braking while in freewheel mode.

DO NOT use your scooter in freewheel mode without an attendant as this may result in a personal injury.

DO NOT attempt to personally disengage your scooter in the freewheel mode while seated on the scooter since a personal injury may happen. Ask an attendant for assistance.

It is unsafe to store the scooter in a vehicle or while on moving transport like a train while the scooter is in freewheel.

*Note: If you are able to either push your scooter while in the drive mode or drive your scooter while in freewheel mode, the drive system may be disconnected. **DO NOT** attempt to drive your scooter, and contact your authorised dealer.*

ABOUT YOUR SCOOTER

Braking

Your scooter is equipped with two powerful brake systems:

- **Regenerative:** Uses the electricity generated in your scooter drive motor to rapidly slow your scooter when the speed direction lever is returned to the centre (neutral drive) stop position.
- **Electric/Mechanical Disc Park Brake:** Located on the end of your drive motor it activates mechanically after the regenerative brake slows your scooter to a near stop, or when power is removed from the drive system for any reason, as in the case of switching your machine off.

NOTE: Brake engagement is far more abrupt at higher speeds. It is important that you anticipate when the brakes will engage and that you are braced for the resulting deceleration.

SLEEP MODE

When you idle your scooter with the electronics switched "on" over approximately 15 minutes, your scooter will automatically switch to sleep mode to preserve battery energy. Battery indicator, green status light, and daytime running light will be turned off. To start your scooter again, simply switch the key switch to "off" and back to "on" again, your scooter is now ready to go.

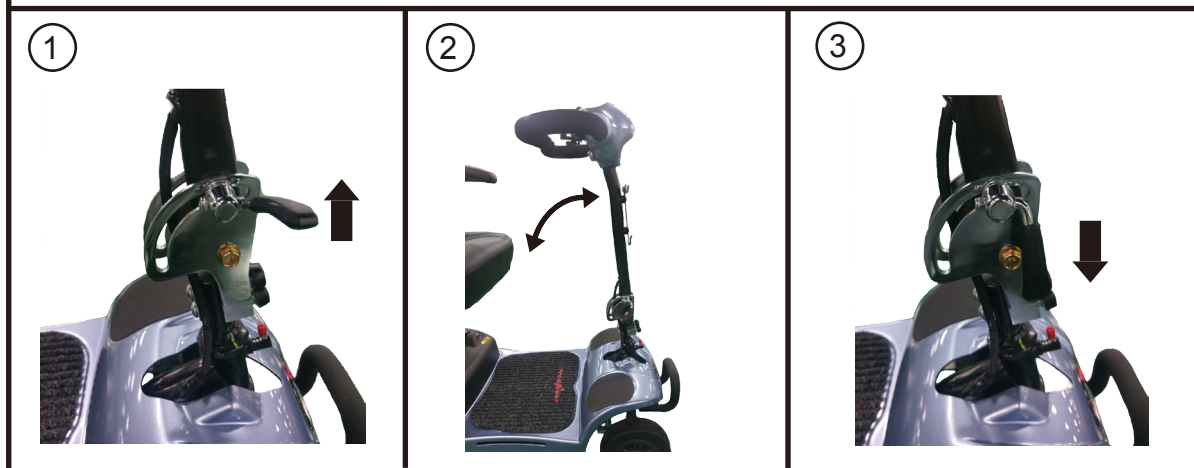
COMFORTABLE ADJUSTMENT

HANDLEBAR ADJUSTMENT

The handlebar of your scooter is designed to allow you to position it in a comfortable driving position. It can be locked into numerous positions or unlocked to move freely for transportation. The handlebar lock is operated by a black lever positioned on the right hand side of the handlebar.

To adjust the handlebar angle from a locked position:

1. Pull the black lever upwards, the handlebar will now move freely, but under mild tension.
2. Adjusting the appropriate comfortable operating position.
3. Simply push the lever downwards until the handlebar is locked firmly into position.



Warning!

ALWAYS make certain the handlebar locking lever is fully down and the handlebar is securely clamped onto the chrome support plates before driving your scooter.



Warning!

DO NOT attempt to adjust handlebar while the scooter is in motion. Failure to observe this may cause personal injury.

SEAT SWIVAL LEVER

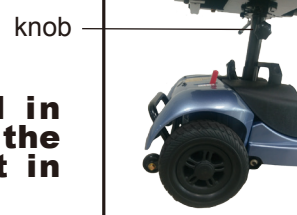
This lever allows the seat swivel 360 degree. Pull up the lever fully to allow the seat rotating. Release the lever into desired position to lock the seat.

Note: If you feel hard to swivel the seat, try to loosen the black knob at the side of seat post.



Caution!

The seat swivel lever must be locked in place and be lifted up fully when rotating the seat, failure to observe this may result in unnecessary wear of seat post.



COMFORTABLE ADJUSTMENT

REMOVE SEAT FROM SCOOTER

- 1.Pull up the seat swivel lever fully. (On the left bottom side of the seat)
- 2.In the meantime, rotate the seat to 90 degree from straight ahead position.
- 3.Lift up and remove the seat carefully.



Prohibit! DO NOT lifting up the seat by holding armrests. Armrests are free to pivot, if you do that, the seat will loose control and make injury.

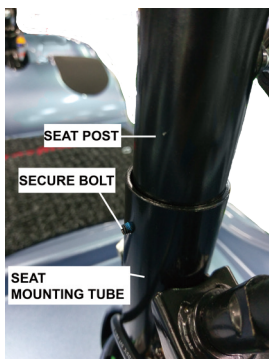
SEAT HEIGHT ADJUSTMENT

You may need to alter the seat height setting at a later date, please follow these instructions.

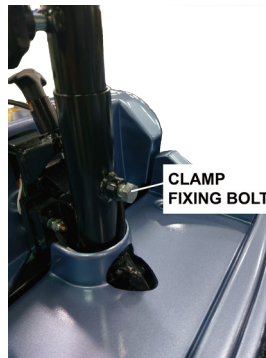


- (A)
Remove your seat and battery pack from the scooter.

- (B)
With the 2.5mm Hex key wrench (not supplied) loosen the secure bolt at side of seat mounting tube.



- (C)
With the aid of a 16mm wrench (not supplied) loosen the 60mm seat clamp fixing bolt from bottom of seat mounting tube. Remove the 60mm fixing bolt, adjust the seat post height and reposition the bolt into one of the preferred location holes of the seat post.



- (D)Re-tighten the clamp fixing screw and secure bolt.

- (E)Refit the battery pack and seat onto your scooter.



Warning!

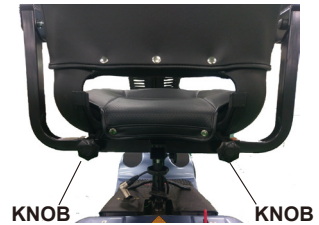
DO NOT have the seat set too high, you must be able to place both feet firmly on the scooter's floor area. Stability will be reduced as the seat height increases. **ALWAYS** take great care while cornering, and lean into the corner to achieve the best stability from your scooter.

COMFORTABLE ADJUSTMENT

ARMREST WIDTH ADJUSTMENT

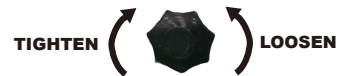
On each side at the rear of the seat, you will find a large black knob. By simply loosening this knob you will be able to slide the armrests in or out to whatever width you desire. Don't forget to re-tighten the knobs fully. You may need an assistant to help you in this task.

NOTE: This will change the overall width of your scooter.



Caution!

The backrest will not fully fold forwards if armrests are too close to each other.



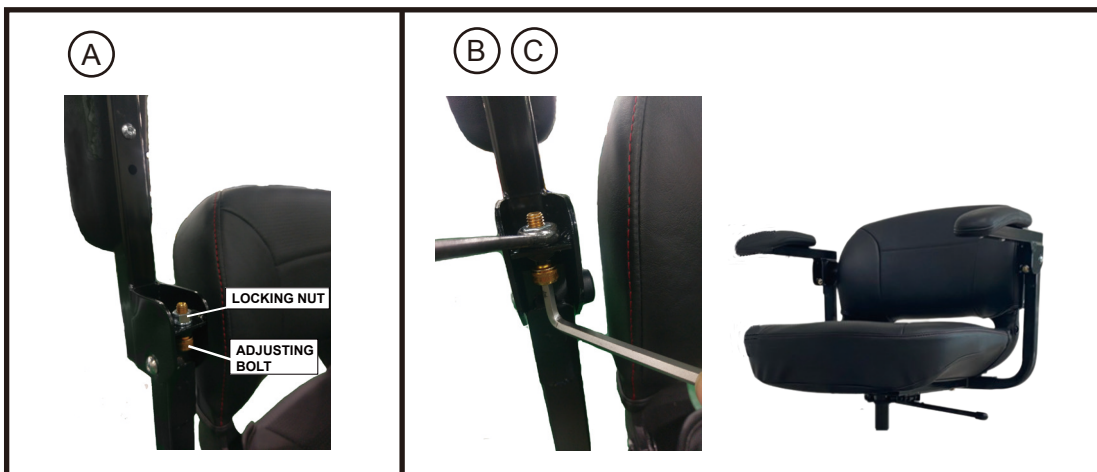
Warning!

DO NOT drive your scooter with the armrests removed or in the raised position. Failure to observe this will cause personal injury.

ARMREST ANGLE ADJUSTMENT

The armrest angle can be adjusted individually to suit your needs. To make adjustments to the armrest angle you will need a 13mm spanner and a 6mm Hex key wrench (not provided).

- (A) Lift the armrest upwards, you will see the adjusting bolt.
- (B) First loosen the locking nut, rotate the bolt in or out until the required angle is found, lower the arm and check the angle for comfort.
- (C) Re-adjust the bolt if necessary. Finally tighten the locking nut.



Caution!

When lowering the arm make certain clothing or fingers are not positioned under it.

DISASSEMBLING AND ASSEMBLING

DISASSEMBLING YOUR SCOOTER

For transport or traveling purpose, your scooter can be taken into several parts:

- Basket
- Front section
- Rear section
- Battery pack
- Seat assy

No tools are required to take apart or assemble your scooter. Before doing this, please make sure your scooter is in drive mode and is placed on level ground with sufficient space. Some parts may be heavy to you, an assistant may needed.



Warning!

- **DO NOT lift weight beyond your physical capability. If necessary, ask an assistant for help while disassemble or assemble your scooter.**
- **DO NOT lift up the seat by armrests, they are free to pivot, and you will lose control on it, making personal injury and/or property damage.**

DISASSEMBLING STEPS

1. Place the scooter on level ground.
2. Make sure scooter is in drive mode, and remove key from key switch.
3. To keep the tiller from swiveling around, lock the tiller by pushing back the tiller locking pin and place it in gap. In order to lock the tiller, check the front wheel(s) facing forward before pushing the pin.
4. Remove the seat by: lifting up the seat swivel lever, keep the lever up & swivel the seat to 90 degree, release the lever & lift the seat straight up. If you encounter resistance while removing the seat, slightly swivel the seat and lift up the lever while lifting up the seat.
5. Disconnect the battery harness by pushing the button on battery pack connector until the harness is pulled out. Then, remove the battery pack.
6. For good space usage, you can simply fold down the tiller. Don't forget to tighten the tiller lock lever to prevent potential hazard.
7. To take apart front and rear section: use one hand holding the seat post with the other hand pulling up the chassis fixing knob straightly.



Tiller unlock



Tiller lock



PUSH Button



Chassis Fixing Knob

DISASSEMBLING AND ASSEMBLING

ASSEMBLING STEPS

1. Place the device on level ground.
2. Align the front and rear sections, then press down the front section at the seat post.
Check the fixing knob works.
3. Put on the battery pack and connect the battery harness.
4. If the tiller is dropped down, raise up the tiller.
5. Install the seat. ***DOT NOT*** lift up the seat by holding armrests!
6. Release the tiller locking pin.



Warning!

- **Before riding, please confirm the tiller locking pin is released and the tiller is able to steering normally. And check the tiller, seat and other parts are secured properly. Failure to observe this will put you in danger situation.**

OPERATE YOUR SCOOTER

PER-RIDE CHECKING & SETTING

1. Check all battery connections, making certain they are tight and not corroded.
2. Check front basket is fitted correctly.
3. Check batteries have been fully charged.
4. Check operation of brakes, horns, steering ...etc.
5. Check the seat, armrests and handlebar lock lever are secured into place.
6. Pre-set the speed adjust knob.

GETTING ONTO YOUR SCOOTER

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

- Make certain your scooter is switched off, and the power key is removed.
- Ensure your scooter is not in the freewheel mode.
- Make certain the seat and handlebars are locked firmly into position.
- The seat armrests can be lifted up to make access easier. Make certain you **DO NOT** attempt to drive with the armrests raised.



Warning!

- **Avoid using the armrests for weight bearing purposes, putting weight onto the steering handlebar and putting all of your weight onto the footboard. Such use may cause the scooter to tip and cause personal injury and/or damage to the scooter.**

OPERATE YOUR SCOOTER

BASIC DRIVING

- Make certain you are comfortably seated on your scooter and both armrests are down.
- Ensure that the "Speed Adjustment Dial" is turned to minimum for your first drive. When you have become more confident, you can increase the setting to a higher speed.
- Push the "Thumb Lever" as described earlier (on page 15), scooter will move gently. Release the lever, the scooter will gently stop. Practice these two basic functions until you are familiar to them.
- Steering the scooter is easy and logical by turning the handlebars in the direction you wish to maneuver.



Warning!

- **DO NOT turn at high speed! If you feel that you may tip over in a corner, reduce your speed and steering angle to prevent your scooter from tipping.**
- **When cornering sharply, reduce your speed. When using your scooter at higher speeds, anticipate changes in the road surface. This will greatly reduce the possibility of a tip or fall. To avoid personal injury or property damage, ALWAYS exercise common sense when cornering.**
- **DO NOT decelerate or turn abruptly when traveling at high speed unless absolutely necessary. If it is necessary to decelerate or turn abruptly when driving at high speed, brace yourself by gripping the steering handlebar tightly and positioning your feet firmly on the floorboard.**
- **Your scooter can decelerate very quickly while in high speed. Users who can not grip the handlebar tightly and/or place their feet firmly against the footboard should avoid deceleration from or turning abruptly at high speed, and therefore should avoid traveling at high speed. Failure to observe this warning could result in serious personal injury and property damage. ALWAYS brace yourself firmly when decelerating your scooter.**

NOTE: Excessively high cornering speeds can create the possibility of tipping. Factors which affect the possibility of tipping include, but are not limited to, cornering speed, steering angle (how sharply you are turning), uneven surfaces, included surfaces (such as heavily cambered pavements), riding from an area of low traction to an area of high traction (such as passing from grass areas to a paved area - especially at high speed while turning), and abrupt directional changes.

OPERATE YOUR SCOOTER

OUTDOOR DRIVING SURFACES

Your scooter is designed to provide optimum stability under normal driving conditions i.e. dry, level surfaces composed of concrete or asphalt.



Caution!

There will be times that you will encounter other surfaces such as packed soil, grass and gravel. These surfaces may not be sound and fail to give good traction, caution should be considered before driving on these types of surface to prevent stability problems which may result in injury or damage to your scooter.

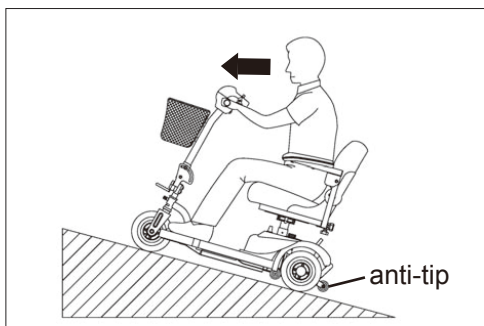
STREET AND ROADWAY DRIVING

Your scooter must be driven with due care and compliance with the Road Traffic Acts and conditions of the Highway Code. **ALWAYS** obey all local pedestrian traffic rules. Wait until your path is clear of traffic free, and then proceed with extreme caution.

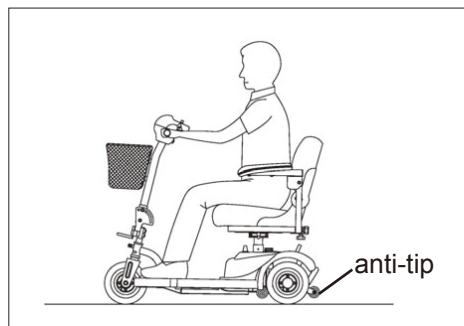
*Note: **ALWAYS** wear light or illuminating clothing when driving your scooter. Be aware that it may be difficult for traffic to see you when you are seated on your scooter. **ONLY** drive your scooter on the road when a public pavement is available (i.e. in the countryside) or when crossing the roadway from one pavement to another.*

INCLINE CONTROL

- When you approach an incline, it is best to lean forward while driving uphill. This moves the centre of gravity of your scooter towards the front of the scooter for improved stability.
- When going down an incline, keep your speed slow. This will keep you in a safely controlled descent. It is best to lean backwards; this moves the centre of gravity of your scooter to the rear for improved stability.



Lean forward to increase uphill stability



Normal drive position



Prohibit!

NEVER remove the anti-tip wheels of your scooter, they are crucial safety parts to prevent tipping backwards.

OPERATE YOUR SCOOTER



Caution!

When descending an incline, keep your speed adjustment set to the slowest speed setting to ensure a safely controlled descent, and driving in a forwards direction **ONLY**. If your scooter descent is quicker than you anticipated allow the scooter to completely stop, then progress at a slower speed setting.



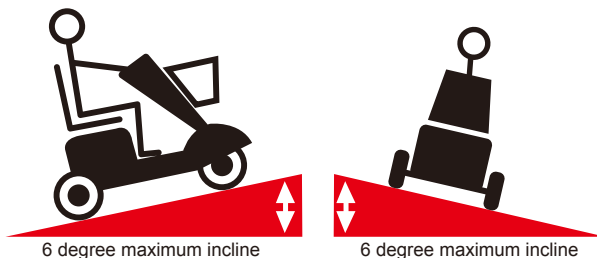
Caution!

When climbing an incline, try to keep your scooter moving. If you must stop and start up again, slowly and smoothly accelerate with caution. Avoid sudden stops & starts, lean forward towards your handlebars to increase stability and prevent rearward tripping.



Warning!

- Never drive down slopes at full speed, **ALWAYS** adjust your speed to the driving condition and allow for gradual descents on inclines.
- When climbing an incline, **DO NOT** zig-zag or drive at an angle up the face of the incline. Drive your scooter smoothly up the incline without stopping, this greatly reduces the possibility of a tip or fall.
- You should not travel over a potentially hazardous incline i.e. areas covered with ice or snow, cut grass or wet leaves or any unstable surface.
- **DO NOT** overload your scooter, at the rear when climbing an incline. **ALWAYS** lean forwards to provide the best stability and prevent rearwards tripping.
- Any attempt to climb or descend an incline steeper than shown in the scooter specification at the rear of this manual may put your scooter in an unstable position and cause it to tip, resulting in personal injury.

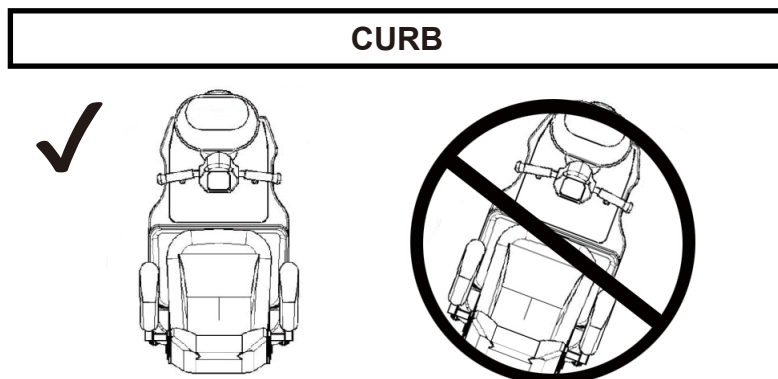


OPERATE YOUR SCOOTER

CONTROL OVER STATIONARY OBSTACLES

Stationary obstacle (steps, curbs etc.) must be avoided where possible. Proceed with extreme caution when driving near raised surfaces, unprotected ledges and / or drop offs such as curbs, porches, stairs etc.

Most new pavements have wheelchair access ramps at intersections, use these at all times. Plan your route where possible to avoid poor and uneven surfaces. **DO NOT** attempt to ride up or down curbs as you may ground your scooter and damage its construction.



Always approach obstacles slowly and straightly.



Warning!

FreeRider scooters are not designed to travel up or down stairs or escalators. ALWAYS use an elevator. Failure to observe this warning may result in injury to yourself and others and damage your scooter.



Warning!

Prevent unintended movement. If you anticipate being seated in a stationary position for an extended period of time, it is advised to turn off the power. This will prevent unexpected motion due to inadvertent movement of the direction control lever(wigwag). Failure to observe this warning may result in personal injury.

DISPOSAL OF ELECTOR-MOBILE SCOOTER

In time when your scooter becomes unusable it must be disposed of in accordance with the laws implemented at that time. For further information regarding the recycling arrangements for this type of vehicle and its batteries, contact your local authority or government department, details of this can be found in your telephone directory or your approved dealer.

BATTERIES AND CHARGING

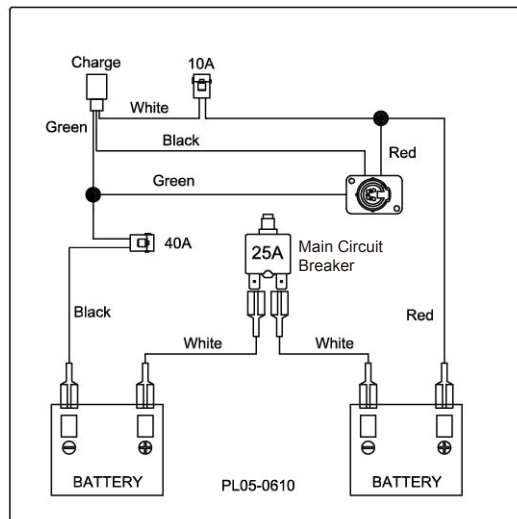
BATTERY INSTALLATION

Your scooter is equipped with two maintenance free 12 volt batteries. The batteries are linked together by wiring cables to supply the electronic system with 24 volts of power. The scooter is shipped with installed battery pack. Simply plug the main cable to the battery pack and charge it, your scooter is ready to go.



When installing the batteries, follow these assembly instructions:

- (1) Connect the white wires to main circuit breaker and each battery, one connect to positive (+) terminal and the other one connect to negative (-) terminal.
- (2) Connect the black wire to negative (-) terminal of the battery whose positive (+) terminal connects to main circuit breaker.
- (3) Connect the red wire to positive (+) terminal of the battery whose negative (-) terminal connects to main circuit breaker.
- (4) Sit on the seat and switch on your scooter, the battery meter will now move to show the state of charge in the batteries and your scooter is ready to drive.



Batteries circuit diagram



Warning!

It is imperative that the two batteries are connected correctly to prevent a short circuit between the two batteries.

BATTERIES AND CHARGING

BATTERY PACK

Your scooter has a lot of power applied by the battery pack, which is composed of two 12-volt, sealed, deep-cycle lead-acid batteries. They are maintenance free, that means you don't need to refill water to them in a certain period. To ensure your scooter works to its full potential and runs smoothly, you shall maintain both batteries on full charge.

BATTERY CHARGER

The battery charger is designed especially for your scooter. It is not suitable for any other powered mobility product. Only use the charger supplied with your scooter. The use of other chargers may permanently damage your battery and would invalidate the warranty.

CHARGER STATUS LIGHT INDICATOR

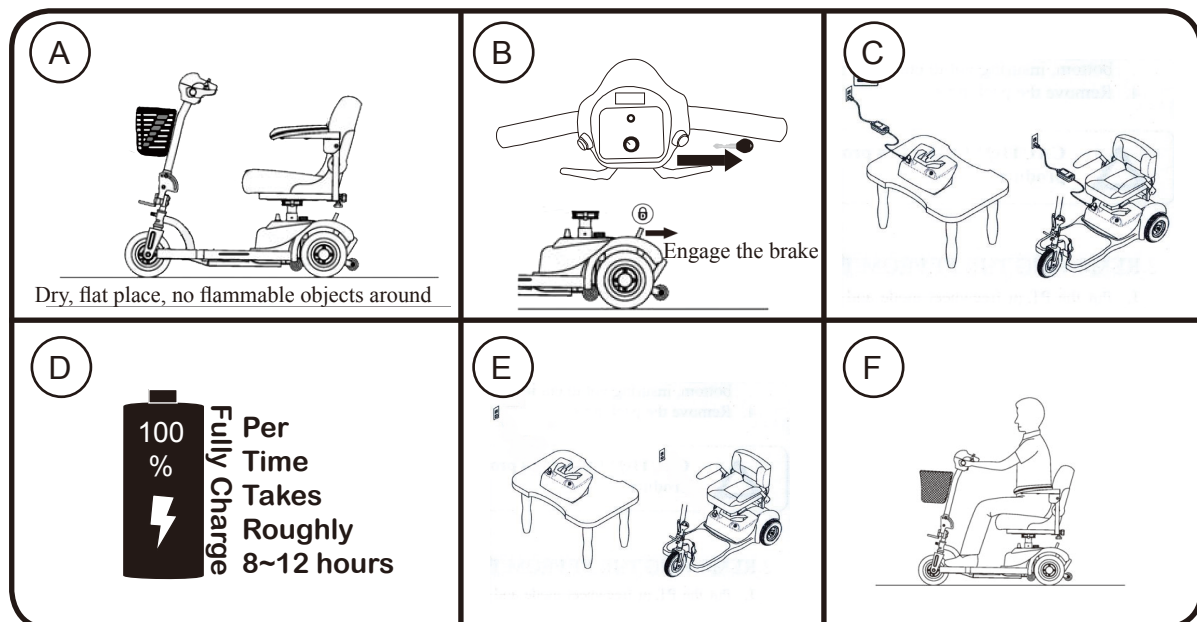
- Red: disconnect with battery pack
- Orange: charging.
- Green: charging complete.

CHARGING YOUR BATTERIES

Charging step:

- Set the battery pack in a dry room, make sure no flammable materials around.
- Turn off the power, confirm the scooter is in drive mode.
- Plug the charger in wall outlet and connect battery pack.
- The general charging time requires 8 hours.
- Remove charger power cable if completed.
- Connect the power wire and turn on the power, your scooter is ready to drive.

Note: Your scooter will be not able to drive if the charger is connected.



Depending on the depth of discharge, the minimum time to recharge serviceable batteries fully will vary from 8 hours up to 12 hours. Please be patient.

BATTERIES AND CHARGING

SAFETY & LASTING BATTERY



PROHIBITED! The removal of grounding prong can lead to electrical hazard. If necessary, properly install an approved 3-pronged adapter to an electrical outlet having 2-pronged plug access.



PROHIBITED! NEVER use an extension cord to plug in your battery charger. Plug the charger directly into a properly wired standard electrical outlet.



PROHIBITED! DO NOT allow unsupervised children to play near the scooter while the batteries are charging.



MANDATORY! Read the battery charging instructions in this manual and in the manual supplied with the battery charger before charging the batteries.



WARNING! Explosive gases may be generated while charging the batteries. Provide adequate ventilation while charging the batteries. Keep the scooter and battery charger away from sources of ignition, such as flames or sparks.



WARNING! You must recharge your scooter batteries with the supplied off-board charger. **DO NOT** use an automotive-type battery charger.



WARNING! Inspect the battery charger, wiring, and connectors for damage before each use. Contact your authorized dealer if any damage is found.



WARNING! DO NOT attempt to open the battery charger case. If the battery charger does not appear to be working correctly, contact your authorized dealer.



WARNING! Be aware that the battery charger case may become hot during charging. **AVOID** skin contact and **DO NOT** place on surfaces that may be affected by heat.



WARNING! If the battery charger is exposed to adverse or extreme weather conditions, then it must be allowed to adjust to the difference in environmental conditions before use indoors. Refer to the manual supplied with the battery charger for more information.

For the longest battery life, your battery should be re-charged when the battery meter indicator is in the red region or after use whenever possible.

If your battery will not be used for an extended period, fully charge the battery and disengage from the battery compartment of the scooter before storage. Battery will gradually deplete with time. Please do a refresh charge every month when the battery has been stored for an extended period of time.

Remember: Keeping your battery charged will help extend the life of your battery and ensure that the scooter is ready to go whenever you want.

TECHNICAL SPECIFICATION

MODEL	FR-M01
MAX. Safe Slope	6 degree
MAX. Climbing Ability	6 degree
Weight Capacity	300lbs (136kg)
Range Per Charge^{*1*5}	8miles (13km)
Overall Length^{*2}	39.4" (100cm)
Overall Width at rear wheels^{*2}	22" (55.6cm)
Ground clearance at motor	1.4" (3.6cm)
Turning Radius	34.3" (87cm)
Max. Speed^{*1}	4mph
Total Weight without Battery Pack	77lbs (35kg)
Weight of Battery Pack^{*4}	22lbs (10kg)
Standard Seat	Type:foldable Dimensions: 18" width 18" depth
Drive System	Rear-wheel drive, sealed transaxle, 24V DC motor.
Brake System	Electronic, regenerative, and electromechanical
Tires	Type: PU solid Size: front 7" & rear 8"
Battery Requirements^{*3}	Type: 12 volt, deep cycle, lead-acid battery. Capacity: 12Ah QTY.: 2
Battery Charger	2-amp off-board charger

*1 The value varies with several factors such as loading weight, terrain type, battery size(Ah), battery charge, battery condition, temperature, tire condition, etc.

*2 Due to manufacturing tolerances and continual product improvement, this specification can be subjected to a variance of $\pm 3\%$.

*3 AGM battery required.

*4 Battery weight may vary base on different manufacturer.

*5 Results derived from theoretical calculations based on battery specifications and drive system performance test conducted at maximum weight capacity.

TECHNICAL SPECIFICATION

MODEL	FR168-4A-12Ah
MAX. Safe Slope	6 degree
MAX. Climbing Ability	6 degree
Weight Capacity	300lbs (136kg)
Range Per Charge^{*1*5}	7.8miles (12.5km)
Overall Length^{*2}	41.1" (104.5cm)
Overall Width at rear wheels^{*2}	22" (55.6cm)
Ground clearance at motor	1.4" (3.6cm)
Turning Radius	48" (121.9cm)
Max. Speed^{*1}	4mph
Total Weight without Battery Pack	91.6lbs (41.6kg)
Weight of Battery Pack^{*4}	22lbs (10kg)
Standard Seat	Type:foldable Dimensions: 18" width 18" depth
Drive System	Rear-wheel drive, sealed transaxle, 24V DC motor.
Brake System	Electronic, regenerative, and electromechanical
Tires	Type: PU solid Size: front 7" & rear 8"
Battery Requirements^{*3}	Type: 12 volt, deep cycle, lead-acid battery. Capacity: 12Ah QTY.: 2
Battery Charger	2-amp off-board charger

*1 The value varies with several factors such as loading weight, terrain type, battery size(Ah), battery charge, battery condition, temperature, tire condition, etc.

*2 Due to manufacturing tolerances and continual product improvement, this specification can be subjected to a variance of $\pm 3\%$.

*3 AGM battery required.

*4 Battery weight may vary base on different manufacturer.

*5 Results derived from theoretical calculations based on battery specifications and drive system performance test conducted at maximum weight capacity.

BASIC TROUBLESHOOTING

When the scooter fails, most of the time the reason is due to the loss of electromechanical functions. Usually, the scooter can operate normally through some simple recovery or diagnosis via the fault indicator. Please refer to "**Status Fault Codes**". If there are any problems which cannot be diagnosed, please contact your authorised dealer.

IF YOUR SCOOTER WILL NOT START:

Check the power key switch is turned "on". If it is, the battery condition indicator meter will be operating. If the status light on your console is flashing, please refer to "**Status Fault Codes**".

If the battery condition meter and the status light fail to operate when the key switch is in the "on" position, check the following:

- Make sure the battery charger is not plugged into the charge socket, this will inhibit driving function.
- Check both battery connectors. Check battery terminal condition.
- Check the "main circuit breaker" or "fuse".
- If your scooter stops for no apparent reason, it is probably due to the circuit breaker disconnecting from the speed control electronic box.

MAIN CIRCUIT BREAKER

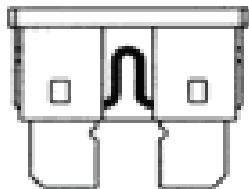
You can find the main circuit breaker on the battery pack. On rare occasions, a temporary overload on the electric circuit can occur, e.g. climbing a steep incline. If this happens, in order to prevent damage to electrical components, the main circuit breaker will trip and all the power of drive system will be automatically switched off.

NOTE: When the main circuit breaker trips up, wait approximately a minute, then press the breaker to switch it on. It is expected that the drive system will work normally, and the scooter will be ready to drive again. If it trips again, wait another 5 minutes and try again.

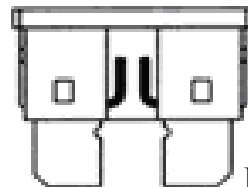


FUSE:

One fuse protects your scooter charging circuit from receiving an overload of electrical current. The fuse used in the scooter is the same type which is found on automobiles. In the unlikely event that a fuse should 'blow' and needs replacing, please use fuse with the same fuse rating. Please note that this size of fuse has been selected to give your scooter for the best protection without premature fusing.



Working Fuse



Blown Fuse



Caution!

Please conform to the fuse rating, or it may cause permanent failure to the wiring and wiring connectors.

BASIC TROUBLESHOOTING

Status Fault Codes:

Flash	Description	Meaning
1	Battery Low	The batteries are running low. ●Recharge the batteries.
2	Low Battery Fault	The batteries have run out of charge. ●Recharge the batteries. ●Check the battery and associated connections and wiring.
<p><i>Note: The low battery fault flash code, described above, is a requirement of various safety standards. The scooter will output a visible and audible low battery warning if the battery voltage drops below 90% of its cut-off voltage.</i></p> <p><i>The warning will be two short flashes, and will take priority over all other flash codes in the system.</i></p>		
3	High Battery Fault	Battery voltage is too high. This may occur if overcharged travelling down a long slope. ●If travelling down a slope, reduce your speed to minimise the amount of regenerative charging.
4	Current Limit Time-out	The motor has been exceeding its maximum current rating for too long. ●The scooter may have stalled. Turn the controller off, leave for a few minutes and turn back on again. ●The motor may be faulty. Check the motor and associated connections and wiring.
5	Park Brake Fault	Either a park brake release switch is active or the park brake is faulty. ●Check the park brake and associated connections and wiring. ●Ensure any associated switches are in their correct positions.
6	Throttle OONAPU (Out Of Neutral At Power Up)	Either a stop function is active or a charger inhibit or OONAPU condition has occurred. ●Release the Stop condition (seat raised etc.) ●Disconnect the battery charger ●Ensure the throttle is in neutral when turning the controller on. ●The throttle may require re-calibration.
7	Speed Pot Fault	The throttle, speed limit pot, their associated wiring may be faulty. ●Check the throttle and speed pot and associated connections and wiring.
8	Motor Voltage Fault	The motor or its associated wiring is faulty. ●Check the motor and associated connections and wiring.
9	Other Error	The controller may have an internal fault. ●Check all connections and wiring.

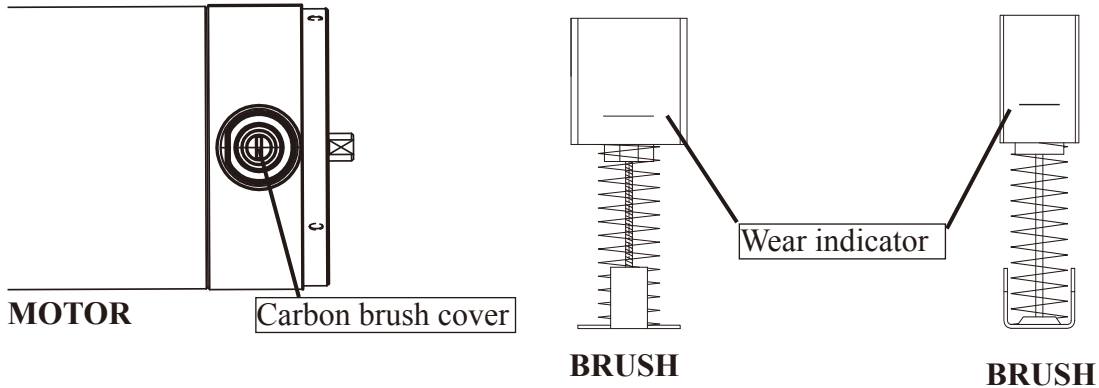
BASIC TROUBLESHOOTING

CHARGER FAULT DIAGNOSIS

- A. If the indicator light is off, check the AC input. If the AC input works normally, the battery charger may be defective.
- B. If the green indicator is working normally but the charging indicator (orange) is off, the polarity connection may be reversed. The output connection may be short or open. If the charging indicator (orange) is still off while charging, the battery charger may be defective.
- C. If the charging indicator (orange) does not turn green (charged state), the battery is not being charged normally. Please stop charging and have the battery repaired or checked by an authorized scooter service centre.
- D. If the charging indicator goes from orange to green (fully charged state) immediately, the battery may be fully charged.
- E. If the battery does not charge, the battery may be defective. Have it checked by an authorised scooter service centre.

MOTOR FAULT DIAGNOSIS

Whilst the scooter is being driven, if you notice unusual changes in speed and or vibration is felt or heard, then please check the motor carbon brushes for excessive wear or pitting. There is usually a wear indicator on the motor carbon brush. Contact your authorised scooter service centre. Provide the motor model to obtain the corresponding carbon brush specification for replacement.



FREQUENTLY ASKED QUESTIONS

Q: Who should I contact if I need replacement parts for my scooter?

A: Contact your authorised dealer for replacement parts on your scooter.
Please refer to page 2 "**CONTACT INFORMATION**".

Q: When should I charge my battery?

A: Charge your battery when the battery indicator is in the red region on the battery indicator on the console of your scooter.

Q: How can I get the maximum operating time per charge?

A: Rarely do we have ideal driving situations (e.g. smooth, flat, hard terrain with no wind or curves, and warm temperatures). More often, we are presented with hills, uneven and loosely packed surfaces, curves, wind, cold and heavy loads. Conditions described above will affect the distance or running time of your battery charge.

Here are a few suggestions for obtaining the maximum range per charge:

- Always charge your battery fully prior to your trip.
- Plan your trip in advance to avoid inclines, curbs and soft surfaces.
- Limit your baggage weight to essential items.
- Try to maintain an even speed to avoid stop and start driving.
- Ensure recommended routine servicing of the vehicle's components.
- DO NOT allow metal objects to short out the terminals of your battery. This could cause the battery to explode and result in injuries.
- DO NOT allow your battery to freeze. If frozen, allow it to naturally thaw out before charging, failure to observe this warning may damage the battery.
- If you need to replace your battery, contact your authorised scooter provider.
- Always handle battery with care.

Q: What if my scooter will not start?

A: Check to see whether the power switch has been switched 'on'. If it is, the battery indicator meter will be operating. If the status light on your console is flashing once per second, your battery is low in charge. Charge your battery.

Q: What if the status light on the power switch fails to operate when the switch is in the 'on' position?

A: Make sure the charger is not plugged into the charge socket of your scooter. When your scooter is being charged, you will not be able to drive.

Q: What if my scooter stops for no apparent reason?

A: Your battery may not be working properly, or the park brake is mechanically released, or the park brake is faulty, preventing the scooter from working.

If the scooter moves faster than Anti-Rollaway max speed, the controller will automatically engage dynamic braking to slow the scooter to a stop.

If not of both, contact your authorised dealer.

FREQUENTLY ASKED QUESTIONS

Q: What if the battery indicator is operational but the status light flashes and the scooter is inoperable?

A: Check the status fault codes indicated by the LED on top console.
This usually occurs due to the magnetic brake not being engaged. If the magnetic brake release is disengaged, the status light on the top console will flash 5 times.

Q: What if my scooter does not slow down or behaves erratically?

A: Speed control system may be defective. Switch off the power and contact your authorised dealer.

Q: Does the scooter switch to sleep mode when it is idle for a long period of time?

A: Yes, the scooter will automatically switch to sleep mode when idle for over 15 minutes.

Q: How do I wake up the scooter once it is in sleep mode?

A: The recommended way to wake the scooter is to cycling the power of your scooter.

CARE & MAINTENANCE

It's good habit for owner to check the scooter condition in a certain cycle. By doing this can improve the using quality, reduce potential risk and extend lifecycle of your scooter.

Recommend checking period and checklist are shown below:

DAILY CHECKS

1. Check if all button functions on the top console are normal, please refer to "**ABOUT YOUR SCOOTER**".
2. Check the basket is fitted correctly.
3. Operation of motor brakes.
4. Operation of driving brake.
5. Operation of seat lock.
6. Tyre condition.
7. Battery capacity.
8. After using the scooter every day and charging the battery, check if the charger's light is normal, please refer to "**BATTERIES AND CHARGING**".

CARE & MAINTENANCE

WEEKLY CHECKS

1. Chassis locking mechanism.
2. Armrest adjustment knobs.
3. Allow battery charger to go through a full recharge cycle. Wait until the green light illuminates.
4. Clean paintwork with auto shampoo. **DO NOT** use harsh abrasives or pressure washer.

MONTHLY CHECKS

1. Tyre wear, replace if necessary.
2. All fasteners and fittings for sound function.
3. Motor brush wear condition.
4. Battery connections.
5. Inspect all electrical plugs and sockets for damage, good contact and fit.

YEARLY CHECKS

1. Front wheel bearings for wear.
2. Handlebar bearings.
3. Rear drive wheel hub keys.
4. All wheel bolts.
5. Drive axle securing bolts.
6. Motor mounting bolts.
7. Magnetic motor brake disc and function.
8. Main wiring loom for damage.
9. All steering components.
10. Clean chassis and repaint any exposed parts.
11. Replace any damaged axle seals.
12. Cycle charge for full operation function.
13. Cycle test batteries for operating capacity. (Ask your Authorised Dealer for details.)

TYRES

Check the condition of your tyres regularly. Look for signs of wear, cuts and foreign objects lodged in the tread. Maintain the tyre pressures at all times (pneumatic tyres only); failure to comply with this can lead to poor performance of your scooter and could make your scooter unsafe or unstable. Tyres should be replaced when the tread is worn to 0.5mm.

REPLACEMENT TYRES

If scooter tyres are worn or damaged, when it must be replaced, contact your authorised dealer for more information regarding replacement wheels for your scooter.



Warning!

Wheels on your scooter should only be serviced/replaced by a qualified technician.

WARRANTY TERMS

Please keep a note of your serial number

(This is located on the frame tube, under the front chassis).

Please fill out the following information for quick reference:

Serial number: _____
Motor number: _____
Controller Number: _____
Charger Number: _____

Your scooter is basically warranted for 12 months from the date of purchase against faults arising due to defects in manufacture or materials on electronic components. This warranty does not detract from, but is in addition to your legal rights. Parts replaced or repaired under the terms of this warranty will be covered for the balance of the period. This warranty applies only to parts supplied or approved by your authorised dealer. Refer to your warranty sheet for additional details. Due to the individual prescription nature of this product, this warranty is not transferable.

Note: Optional extended warranty insurance may be available from your authorised dealer.

EXCLUSIONS

This warranty does not extend to consumable items which may need replacing due to normal wear and tear, namely tyres, punctures, lubrication, mats, oil seals, gaskets, screws, upholstery, motor brushes fuses, batteries, handgrips etc. or to damage to the product caused by misuse, neglect or accident. This warranty does not apply if there are signs of excessive wear and abuse or the scooter has been modified without the written authority of FreeRider.

The following items are not covered by your warranty:

- Any noise or vibration, which does not affect the quality and function of the scooter.
- Damage due to lack of maintenance or improper use or operation or storage.
- Fees for the regular service inspection and maintenance.
- Any fees incurred as a result of warranty repair, losses or compensation because of the inability to use the scooter (telephone use, shipping, car rental, fees etc.).

METAL WORK

Components, such as the frame work and bright metal parts require special attention and may deteriorate in certain conditions. Moisture and salt may corrode parts if left unattended for a period of time. Auto cleaner polishes should be used to prevent long term damage. Failure to clean and protect these components may void your warranty.

WARRANTY TERMS

PAINT WORK

This warranty does not cover deterioration of paint resulting from the lapse of time (e.g. natural fading). It is the user's responsibility to clean and protect the painted surfaces.

SPEED CONTROLLER

Servicing of the speed controller or battery charger must only be carried out by your local authorised dealer. Any attempt to open or dismantle these items render the warranty void on that item immediately.

BATTERY

Batteries carry a limited 12 months warranty from the original manufacturer which is subject to a stringent wear and tear clause. Any battery faults due to a defect in the original manufacture will normally become obvious within the first two months of use. (See battery charging section of this manual for additional details.) Any gradual deterioration in the performance after this period is normal and associated with fair wear and tear, misuse or accidental damage and as such are not covered by the manufacturer's warranty. (Battery is warranted as a single part, only the failed part is replaceable.)



Warning!



DO NOT attempt to open the battery. Breaking the battery seal will void the warranty on the battery.



SERVICE CHECKS

In line with all mobility vehicles, your scooter will benefit from regular service inspections to keep it in a pristine condition. The frequency of these service inspections will depend on the amount of the use of your scooter. We strongly recommend you contact your local authorised dealer to arrange for a service visit. It is recommended that you fully service your scooter at least every 12 months or more frequently depending on the use. The warranty on your scooter may not apply if routine maintenance is not carried out as defined in the Care and Maintenance section.

SERVICE CHECKS AND WARRANTY SERVICE

If your scooter should need attention due to failure as defined under the warranty terms, please contact the dealer from whom you purchased your scooter. The scooter shown and described in this manual may not be exactly identical in every detail as your own scooter. However, all instructions are still entirely relevant, irrespective of detail differences. If you are unsure of any details mentioned in this manual, please consult your authorised dealer before driving your scooter. Warranty service checks must be performed by an authorised dealer and will generally be valid at the location where you purchased your scooter. All the transportation costs and shipping damage incurred while submitting parts for repair or replacement are the responsibility of the purchaser.

OPTIONAL ACCESSORIES

		
Arms Bag	Crutches Bucket	

Optional accessories are available for your mobility scooter. Please contact your authorised dealer for more information



Warning!



DO NOT overload accessories as this will affect the weight capacity of your scooter and decrease stability.

SERVICE RECORD

This section is designed to assist you in keeping records of any service and repairs done to your scooter. If you should decide to sell or exchange your scooter in the future, this will prove most helpful to you. Your service agent will also benefit from a documented record. This manual should accompany the scooter when service or repair work is carried out. The service agent will complete this section and return the manual to you.

DETAILS OF WORK CARRIED OUT	DEALER STAMP
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SERVICE RECORD

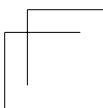
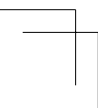
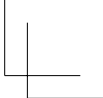
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YOUR LOCAL DEALER

TO BE FILLED IN BY LOCAL DEALER

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