

# **G**BOARD Self Balancing Scooter

Manual



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# 1. HOW TO USE YOUR G-BOARD SMART BOARD SAFELY

## 1.1 Using the G-Board safely

We hope you enjoy driving your G-Board Smart Scooter.

**Important:** Before using the G-Board for the first time, please read this manual carefully as there are important operating and safety instructions inside.

- Each time you use the G-Board, check the tyres for damage and make sure that none of the parts have come loose. If you are experiencing any **technical** problems with your G-Board then please contact your supplier or service centre. **Discontinue use until such issues are resolved.**
- Do not use the G-Board if it may put you or your property in danger.
- Please do not use G-Board parts that have been modified in any way as it may affect the performance of the scooter and result in serious harm.

## 1.2 Minimum and maximum weight limits of the driver

- Minimum weight limit of driver: 20kg
- Maximum weight limit of driver: 100kg

** WARNING!**

If the driver is outside the weight limits they are likely to fall, injure themselves, or overload and damage the G-Board. Suggested rider weight does not necessarily mean that the manufacturer claims that the person of that size is appropriate to ride or maintain control of the scooter. This is not a toy and should not be ridden by anybody under the age of 16. Any rider that does not have full training or is unable to fit on or control comfortably the scooter should not attempt to ride it. Riding your G-Board scooter can be hazardous.

There are certain circumstances that may cause the equipment to fail outside manufacturer control. Like other similar electric or non-electric mobility products, the scooter is designed and intended to move and therefore there is possibility of losing control, falling off and / or getting into dangerous situations that no amount of care, instruction or training can prevent. Using safety equipment may reduce but does not eliminate the risk of serious injuries or death.

**RIDE YOUR G-BOARD AT YOUR OWN RISK AND FOLLOW STANDARD PRECAUTION.** This manual contains a number of warnings concerning the maintenance and use of your electric smart scooter. There are many occurrences where incidents can result in serious injury or even death. Keep this product away from children and remember that it is intended for use only by persons who are at minimum completely comfortable and competent while operating it.

## 1.3 What is the longest distance I can ride the scooter for?

Your G-Board can travel for up to 10 miles on a single charge.

The distance you can ride the G-Board for depends on a number of factors:

- 1. Terrain type:** Driving on a smooth, flat surface will increase the driving distance, just as driving on a rough uneven surface will reduce the distance per charge.
- 2. Weight:** The weight of the driver will also affect the driving distance of the scooter, the heavier the user, the less driving distance per charge.
- 3. Temperature of the Environment:** Driving in extreme temperatures can reduce the driving distance.
- 4. Maintenance:** Keeping your G-Board in good condition and performing adequate maintenance, following the advice set out in this manual, will increase the driving distance, whereas neglecting the maintenance of your G-Board can reduce its distance per charge.
- 5. Speed & driving style:** Keeping the scooter at a consistent speed will maximise the driving distance. Frequently starting and stopping will reduce the distance per charge.

## 1.4 The speed limit

- The maximum speed of the G-Board scooter is 10 mph.
- If you go over this speed limit an alarm will sound.
- Keeping the G-Board running under the speed limit makes it easier to balance.
- Going over the speed limit will cause the scooter to lock itself to a speed within the limit.

## 2. Learning to drive your G-Board

Before using your G-Board for the first time, please make sure you have read the safety instructions and advice within this instruction manual carefully, as it will ensure you are driving the G-Board properly and safely.

### 2.1 Step-by-step: Learning to drive your G-Board scooter

**Step 1:** Place your G-Board on level and smooth ground.

**Step 2:** Turn the G-Board on by pressing the power button on the front right of the scooter. Turn the G-Board on **before** you step on it.

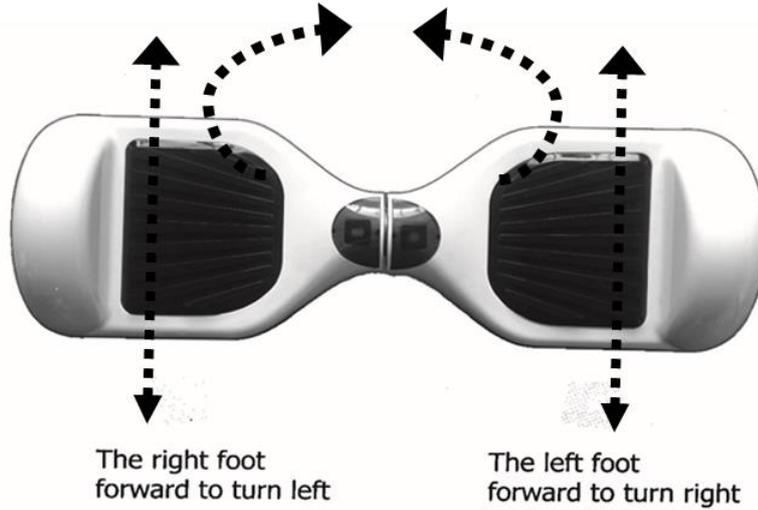
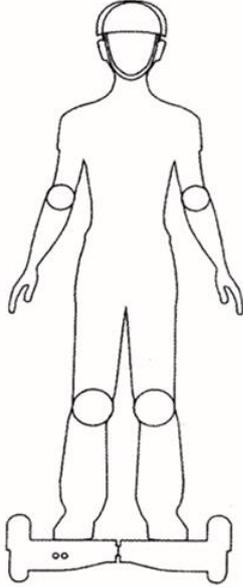
**Step 3:** Once you have turned the G-Board on, wait until you hear the scooter beep before stepping on it. The sound indicates that the scooter is balanced and ready to drive.

**Step 4:** When you hear the beep, get on the scooter by placing one foot on the corresponding footplate. When you feel that foot is comfortable, place your other foot on the other corresponding footplate.

**Important: When initially learning how to drive the scooter, we recommend you drive it with someone else present or you use a wall to help balance yourself when stepping on and off.**

**Step 5:** Once you are balanced comfortably on the G-Board, it will remain stationary. A small movement forward or backward will start the G-Board moving forwards or backwards. From here you can start to drive your scooter.

**Step 6:** Turning the scooter is done by counter-steering, or “push-steering”. To drive left you must put forward pressure on the right footpad with your right foot, and to drive right you must put forward pressure on the left footpad with your left foot.



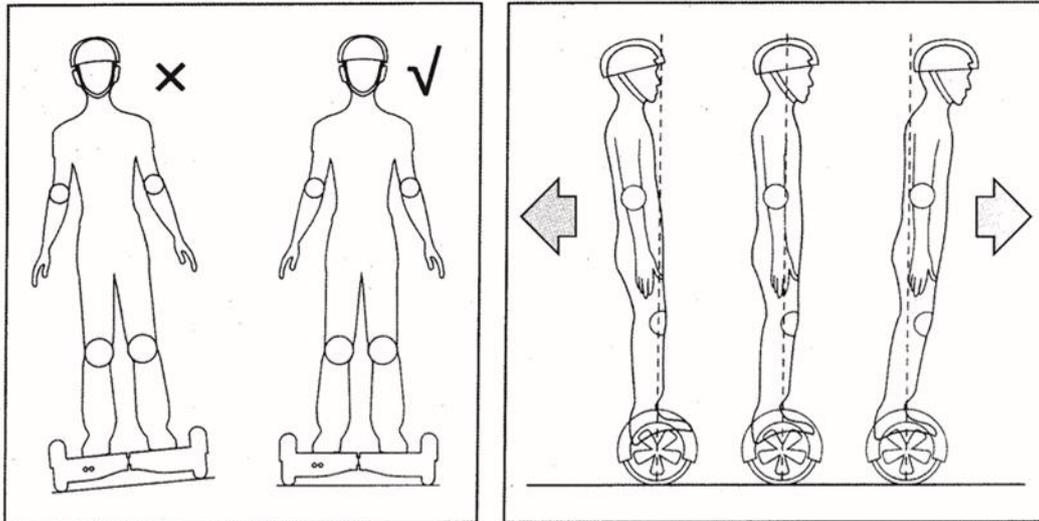
**Step 7:** When you want to get off the scooter, come to a standstill by leaning on the back of the scooter to brake and bring it to a stop. Then carefully step off the scooter one foot at a time.

**NOTE:**

If the scooter is not level, an alarm sounds and a light comes on. The G-Board will then try to re-balance itself. Do not ride while it is doing this. If this does not work, turn it off, level it out, and turn back on.

Also if the battery is running flat, an alarm will sound and the lights will flash. It is dangerous to get onto the G-Board if the battery is running flat - you must instead recharge it fully first.

The correct positions when driving your G-Board:



## **WARNING!**

- Avoid steering at high speeds as it is likely to cause an accident.
- Avoid driving the scooter on transverse slopes as the angle will cause the scooter to become unbalanced, affecting driving safety.
- Notice any potential obstacles that could catch your wheels or force you to diverge suddenly or lose control.
- Be careful to avoid pedestrians, skaters, skateboards, scooters, bikes, children or animals who you may encounter in your ride.
- Ride observant to surrounding conditions and do not attempt or do stunts while riding on your G-Board
- Your G-Board is not made to withstand abuse or misuse such as jumping, curb grinding or any other stunt. Maintain a good balance all times.

## 2.2 Protection features

When you are driving the scooter, it can alert you of system errors or irregularities with a variety of prompts. Either the scooter will stop operating, an alarm light will come on, a buzzer will sound intermittently or the system will not be able to self-balance the scooter. For all of these errors, either correct your movement or safely come off the G-Board as it will be unsafe. These alerts can be set off for a variety of reasons:

- The scooter platform has moved forwards or backwards by more than 10 degrees.
- The battery is too low.
- The scooter is charging.
- The scooter foot platform has become damaged or warped when driving, preventing driving.
- The scooter may have been going over its speed limit.
- There is no battery being detected inside the scooter.
- The scooter has been rocking back and forth for more than 30 seconds.
- The system has gone into protection mode. To tell if it has gone into protection mode, an alarm light will normally be on and a buzzer will be sounding.
- The foot platform of the scooter has come to a stop in a forward or backwards position at an angle that is more than 35 degrees.
- The tire rotor is still locked in the off position.
- The battery voltage is lower than the safe operating range (Battery Damage).
- Continued large current discharge (such as riding up a hill that is too steep).

## **WARNING!**

- When the G-Board has run out of battery the system will automatically lock the scooter. It will unlock once sufficiently charged.
- If the battery has run out or the system has locked the scooter, please do not attempt to drive it because the scooter will not be able to balance itself without electricity and driving it will become dangerous to the driver.
- If you continue to drive the scooter with a very low or empty battery it can cause battery damage.

## 2.3 G-Board driving practice

Make sure you have properly learnt to drive the scooter before driving it outdoors for your own safety.

- Wear comfortable, casual sportswear and flat shoes with rubber soles and strong grip to ensure you maintain flexibility and comfort when riding the scooter. Keep shoelaces tied and never ride bare feet, in sandals or flip flops.
- Always make sure to wear appropriate protective gear. (Helmet, Elbow Pads, Knee Pads, Wrist Pads, gloves)
- Practice in an open and unobstructed place until you can easily get on the scooter, drive the scooter forwards, backwards, turn and get off the scooter.
- Make sure that the ground you are driving on is flat and level.
- When getting on and off for the first time make sure to take extra care and use a wall or supportive structure to help you balance.
- You can drive the G-Board on different terrains, but if you are not sure about the terrain then drive across it slowly to make sure it's suitable.
- No matter the terrain, the scooter must never leave the ground.
- If you drive the G-Board onto an uneven surface, decelerate and drive across it slowly.
- If you have not got a lot of driving experience on the G-Board then please avoid driving it around people and other obstacle's until you are more experienced.
- If you want to drive through narrow gaps, such as a doorway, then make sure the G-Board can fit through it before you attempt to drive through it.

### **3. Driving safety instructions**

This section contains important safety information and warnings that will give you the knowledge to use the G-Board safely. To make sure you are driving your G-Board correctly, please read this instruction manual in full and comply with the relevant safety instructions so that you can enjoy driving the G-Board whilst being safe.

## **WARNING!**

- Children under 16 should not ride the G-Board.
- Under no circumstances should you be using the G-Board in a way that is likely to cause you to lose control, collide or fall and cause harm to yourself or someone else.
- Before use, visually inspect the G-Board for damage.
- When you are learning to drive the G-Board, make sure that you are following all the safety measures such as wearing a helmet and relevant protective gear like knee, wrist and elbow pads.
- Your G-Board is meant for personal entertainment only, it is prohibited to be used as public transportation.
- It is strictly prohibited to use a G-Board as a motor vehicle.
- The G-Board should not be used by someone who has a history of heart disease, high blood pressure or who has been banned from driving; pregnant women and people with disabilities are also prohibited from driving the scooter.
- You must not drive this scooter if you have been drinking, using drugs or holding something in your hands.
- Anyone using the G-Board can be at risk of serious injury or death.
- Riding the G-Board can be physically demanding and dangerous.
- Whilst driving, please make sure you are complying with traffic laws.
- Be aware of your surroundings and ensure you have a clear, unblocked view of the area around you.
- When driving the G-Board, make sure your legs are relaxed and that your knees are slightly bent. It will help you to balance yourself over uneven surfaces.
- Make sure your feet are always positioned on the footpads when driving.

- Please wear suitable sports clothes when using the G-Board. The flexibility of sports clothing will allow you better movement when driving.
- The G-Board is only designed to be used by one person at a time.
- The person driving the scooter cannot weigh more than the stated maximum weight load of the G-Board (100kg), including any belongings they have with them at the time, or it will be more likely for them to fall and injure themselves or cause damage to the function of the scooter. Similarly, the driver cannot weigh less than the stated minimum load weight (20kg), because they may not be able to control the scooter safely and makes it difficult to reduce the speed of the scooter, especially when going downhill.
- You must control and limit your speed when driving the scooter to ensure the safety of yourself and others around you. A more controlled, slower speed will allow you to get off the scooter easily.
- If you are using the G-Board and a severe accident occurs, you must stay where you are and wait for the arrival of the relevant authorities.
- If you are driving with other G-Board users at the same time, make sure you keep a safe distance away from each other in order to avoid a collision.
- Remember that when you are driving the G-Board that you are 10cm higher off the ground than you normally are, so bear this in mind when driving through doorways or areas with a low ceiling.
- Make sure that you are correctly balanced on the G-Board when driving.
- Avoid distractions when driving the G-Board, such as answering/talking on the phone, listening to music, wearing headphones or noise cancelling devices or engaging in other activities at the same time.
- Do not drive the G-Board in the rain or for long distances in reverse or at high speeds.
- When driving the G-Board, please avoid obstacles and smooth, slippery surfaces such as ice, snow or wet surfaces and never immerse the scooter in water, as the electrical and drive components could be

damaged by water or create unsafe operating conditions. Do not ride your scooter in mud, ice, puddles or water

- The electric scooter is only intended for use on flat, dry surfaces and level ground with loose debris such as sand, leaves, rocks or gravel. Wet, slick, bumpy, uneven or rough surfaces may impair traction and lead to accidents.
- Avoid driving on a steep slope.
- Never hitch a ride with another vehicle.
- Do not use near steps or swimming pools.
- If ridden indoor be aware you may risk damaging surfaces such as carpet or flooring and be aware of the safety risk
- It is prohibited to drive the scooter in an environment where there is flammable gas, steam, liquid, dust or fibre present, or anything that might cause a dangerous event such as a fire or explosion.
- Do not drive the G-Board at night, in a dimly lit or dark place or any other circumstances when/ where visibility is limited.
- Avoid driving down a narrow space that has an obstacle partially obstructing it.
- Please do not stop or start suddenly.
- Do not ride without proper training, guidance and support.
- If in doubt, consult a physician before riding the G-Board.
- The G-Board is intended for recreational use only.
- Do not ride the G-Board at high speeds beyond your control.
- Loss of control can lead to serious injury or death.
- Do not attempt to perform stunts or tricks on the G-Board.

- Do not use the G-Board outside of its operational temperature and humidity. Do not ride in cold or wet weather
- Avoid touching any moving parts of the G-Board
- Always be prepared for failure. The G-Board uses electronic components that may be subject to failure.
- Keep first-aid equipment nearby when riding the G-Board.

## 4. Maintaining and charging the batteries

Maintaining and charging the battery properly will extend the battery life and improve its performance, as well as ensure that you are maximising safety for yourself and others. Please read the advice below to make sure you are handling the battery properly.

### 4.1 Lack of battery power

When the power indicator light is flashing red, the power is low and we advise you stop driving the scooter at this point. When the battery is low, the G-Board scooter does not have enough energy to maintain normal driving, therefore the system will lock itself and forbid users from driving it. If you continue to drive the scooter after these warnings, you are more likely to fall off as well as permanently damage the service life of the battery.

- If you develop any of the following problems with the battery, do not use it.
  1. A smell or high temperature is emitted.
  2. Some part of the battery material is showing leaks.
- Do not try to repair the battery yourself
- Do not touch any material that has got battery leakage on it.
- Make sure children do not touch the battery or charger.
- Do not open the battery or insert any material into it.
- Only let the company who manufactured the battery supply you with equipment for the battery.

- Because lithium batteries have the potential to leak, only dispose of them at an authorised electronic equipment recycler. You can find your local waste portable battery recycling facility at [www.recyclenow.com](http://www.recyclenow.com). Most supermarkets and shops that sell batteries will have collection bins for used batteries, and some town halls, libraries or schools may also set up collection points.
- Use the G-Board battery with the permission of the local laws

## 4.2 Charging the battery

- First make sure that the charging port and the surrounding area on the drift scooter is dry.
- Rating: This unit must be only connected to a 220-240 V / 50 Hz earthed outlet. Always check the rating label against your electrical supply. Do not use with an extension lead or overload the socket
- Insert the end of the charger that has a 3-pin plug on it into the mains and the charger indicator will light up green. Then insert the other end of the charger into the scooter.
- To show that the scooter has started charging, the charging indicator will light up red.
- When the indicator lights on the charger change from red to green the G-Board is fully charged.
- Once the scooter has been fully charged, unplug and stop charging the scooter because charging it for longer can affect the service life of the battery.



- Please keep the charger dry. If any of the parts have got moist or wet then do not charge until everything is fully dry and discontinue if any water ingress
- This is a high voltage unit - never leave the G-Board to charge while unattended or unsupervised.
- The charger supplied with your G-Board should be regularly examined for damage to the cord, plug, enclosure and other parts, and in the event of such damage, the scooter must not be charged until the charger has been repaired or replaced.
- Do not dismantle the charger. Use only with the recommended charger. Use caution when charging. The charger is not a toy. Charger should only be operated by an adult.
- Do not operate charger near flammable materials or volatile compounds.
- Do not pull the mains cable to disconnect the plug from the socket.
- Do not connect the charger to any other devices
- Unplug charger and disconnect from G-Board when not charging.
- Do not exceed the necessary charging time as could cause overheating
- Always place the charger on a dry, hard and stable surface. Do not use on carpet or soft table cloth as this could impede the heat dispersal. Do not shake while it is in use.
- Always disconnect from the charger before cleaning your G-Board prior to wiping down and cleaning your scooter with liquid.

FAILURE TO PAY ATTENTION TO THE ABOVE WARNINGS INCREASES RISK OF SERIOUS INJURY

### 4.3 Temperature too high or too low for the battery

If you want the G-Board to run efficiently, the temperature of the battery must remain within the battery's temperature range specified below. If the battery temperature is within the charging temperature range, the charging efficiency will be higher. If the battery is extremely cold or extremely hot, then the charging time will lengthen or it won't fully charge.

### 4.4 Battery parameters

Item	Parameter
Battery type	Lithium battery
Charging time	2 or 3 hours
Voltage	36V
Initial capacity	2-4AH
Working temperature	-15°C to 50°C
Charging temperature	0 to 40°C
Storage time (~20°C and 25°C)	12 months
Stored relative humidity	5% to 95%

## 4.5 Transporting the battery

### **WARNING!**

A lithium battery is considered to be a dangerous good therefore you need to follow your local laws concerning transporting and disposing of a lithium battery.

### **NOTE:**

If you need to transport the G-Board by air, or any other transportation medium, please contact the company beforehand. Transporting lithium-ion batteries by air can be especially dangerous and prohibited.

## 4.6 Electrical Safety

Electrical shocks can be FATAL! Under no circumstance should the G-Board be taken apart to inspect the internals. We will not be held responsible should any injury occur from disassembly of a G-Board.

Disassembling your G-Board will void its warranty. Any service other than regular cleaning should be only performed by an authorized service representative.

## 5. UK REGULATIONS

According to the Department for Transport, the G-Board is considered a powered vehicle and therefore must not be used on public roads as it does not fully meet the Road Vehicles Regulations 1986. It is also not permitted to be used on cycle paths or public footpaths as its max speed exceeds 4mph. It can however be used on private property.

Users riding the G-Board do so at their own risk, fully understanding the hazards that come with it. We strongly encourage all users to be responsible and ride safely at all times with adequate protection. Any modifications to the G-Board are done so at the users own risk and will void any warranty. Any modifications may place the unit outside of the “Powered Vehicle” category. We are not held responsible for any damages or injuries that occur due to users voiding their warranty. These regulations are always subject to change.



**Disposal:** Do not dispose this product as unsorted waste. Collection of such waste must be handled separately as special treatment is necessary.

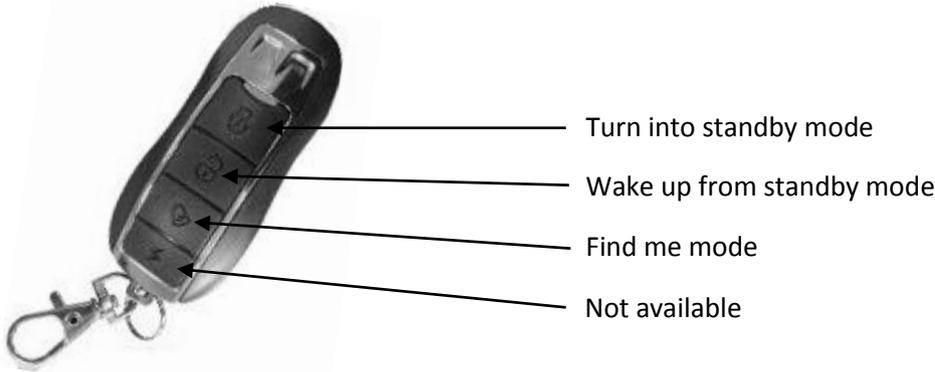
Recycling facilities are now available for all customers at which you can deposit your old electrical products. Customers will be able to take any old electrical equipment to participating civic amenity sites run by their local councils. Please remember that this equipment will be further handled during the recycling process, so please be considerate when depositing your equipment. Please contact the local council for details of your local household waste recycling centres.

## 6. Using The Remote

Some models come with a Remote option.

**Standby Mode** allows you to switch the G-Board on and off into a standby mode without having to fumble for the button on the G-Board. This feature is only available when you are not standing on the Board and once the G-Board has been turned on manually first. To do this simply press the top lock button once to place the G-Board in standby and then press the unlock button below to wake it up.

**Find Me Mode** will make the G-Board emit a small beep. This can help locate your G-Board amongst your friends G-Boards. Simply press the bell button and the G-Board will emit a beep.



## 7. Training Mode

**Some models come with a Training Mode.** This will reduce the top speed of the G-Board, making it easier to control and steer. To access this feature, when switching on, on the Board itself, press the start button twice. To return back to normal mode, restart the unit but press the start button just once.