User's Manual

Flight

PREFACE

Dear Users,

We thank you very much for your choice of Flight electric scooter.

The manual is to assist you operating and maintaining the electric scooter, please go through it with necessary information in mind prior to use the electric scooter. Any problem which is not cover in here or any confusion of the manual, feel free to communicate with your local dealers or distributors.

The manual has the content of characteristics on main parts, key components, function of parts, safety requirements and instructions, battery instructions, point of attention, methods of coping urgent condition, and maintenance. Symbols are used for reminding matters need to care for, an understand of the manual fully is highly suggested.

This manual is written with current product information and product photo as the follow. It is for the purpose easier understanding for users. The electric scooter is under continuous improvement and innovation. We reserve the right to continuousl improved products without notification, any new improvement please feel feel to contact with us any time.

We strongly believe that the electric scooter would bring you more convenient and reach the goal of free life to you.

Discover Your Mobility Inc.

11055 E 9 Mile Rd Warren Mi 48089

www.discovermymobility.com

Toll Free: (866) 868-9694

Recommendation

Please pay attention to “Warning” in the manual is to protect you from any injury. Unable to follow “Notification” in this manual may result in damage the electric scooter.

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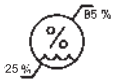
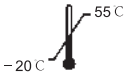
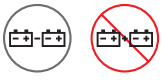
SYMBOLS

	Warning Beware of potential hazard		Attention, see instruction for use
	Refer to instructions for use - Mandatory Failure to read the instructions for use could introduce a hazard		Refer to instructions for use - Recommended Failure to read the instructions for use could introduce a hazard
	Manufacturer		Product fulfill WEEE directive
	Date of manufacture	SN	Serial number
LOT	Batch number		Type BF applied part
	Use until year & month (Expiration date)		Type B applied part
IPX-4	Water proof grade	CE	CE mark
MD	Medical device	UK CA	UKCA mark
	=Radio frequency fields beyond this point may exceed FCC general public exposure limit		Importer
EC REP	Name and Address of European Union Representative		Distributor
UDI	Unique Device Identification		Country of Manufacture
#	Model Number		Don’ t use when packing damaged

	Humidity limitation		Temperature limitation
	Store in clean & dry place protected from rain, snow, ice, salt and water.		Protect from heat and radioactive sources
	Danger of explosion		Package Number
	Keep dry		Foot Switch
	Equipotential		CF application part
	Switch		Fuse
	PCTB		Volume control
	Disposal and recycling only authorized recycling companies can recycle parts of this electric scooter		Do use cel phone, remote speakers, note book computer or other wireless ejecting device while operating the unit.
	Do not adapt battery which is with different capacity and wrong model number. Never combine use long time used battery with new battery at the same time, always change batteries in brand new condition.		Implication of flammable material. Do not expose under fire, fire sparkles and other heat sources conditions. Never transport batteries along with torch easy explosive items or flammable materials.
	Keep away other metal related items or tools away from the negative and positive terminal end to avoid any short cut or electricity shock from happening.		Avoid contacting with rain, snow, ice, salt and keeping in water, keep under clean and dry ambience.
	Easy to be crashed, crashing spot		The product has passed electromagnetic test of 20 V/M.
	With potential explosion		Battery contains anti-corossion chemical substance.
Power	100～240VAC, 50～60 Hz		Type 2 device
DC output	+29.4V ⎓ 2.0A	**Frequency**	500VA

Warning!

Please read through and understand the contents of this manual fully for safety concern. Keep all time awareness while driving electric scooter to ensure your safety.

Warning!

Please be aware of and go through "Warnings" carefully to keeep away from damages or personal injuries from improper operation. Users are highly recommanded to take appropriate safety related cautions. Manufacuter is not to take responsibility of personal injuries and product damages leaded from improper operations. Be aware of local pedestrian traffic rules., other people around maybe unble to aware of you when you are drvinging electric scooter. Make sure there is no other vehicle on the road carefully before driving. It is necessary to apply safety equipment such as reflectors, reflective clothings, lights and safety signs.

Warning!

This electric scooter is suitable for use on flat pathway within living rooms, in hospitals, nursing homes and nearby buildings. Do not use on grass, gravel, slopes greater than 8 °, motorways, and driving when it is raining or snowing. Never driving on roads.

Warning!

Do not operate electric scooter under the influence of alcohol drinking. Consumption of alcohol significatly affect safe operation of electric scooter. Every electric scooter is different, please check it yourself before driving and refer to the instructions on this manual for "Setting up" and "Pre-operation procedure" at the first time driving electric scooter. It takes some time and practices to make sure operation of electric scooter safely.

Warning!

Do not operate the electric scooter on other paths that not recoommended in this manual. Do not use the electric scooter for other purposes, for example weight training, sports and track and field towing, fast moving or towing, etc., these may result in hazards and excessive abusement of electric scooter.

Warning!

This electric scooter is suitable for travelling on good, leveled surfaces. Do not drive under heavy rain, in snow, on mud, on rough, on loose, in narrow, on icy surfaces, on treacherous roads or waterways without guardrails, on poor roads, or under icy conditions. Water or excessive moistures can cause electrical parts to malfunction. Do not use when the ambient temperature is below -10° C or above 45°C.

Warning!

Make sure the power of the electric scooter is switched off before charging. Do not charge the electric scooter below 0 ° C, charge under an ambient temperature between 0°C ~ 45°C. Never indoors as there is a risk of fire. Do not charge when the controller power on to prevent malfunction. Keep the battery from freezing and do not charge a frozen battery, ti may cause personal injury and battery damage. Keep all charger power cable terminals clean, dry and away from moisture to prevent damage to the electrical system and personal injury.

Warning!

Keep electric scooter in dry and clean environment. Do not take electric scooter for showers, in bathtubs, in pools or saunas, always away from rain, snow, salt, fog/spray conditions and frozen/sleipery surfaces that can cause rust or corrosion of electric scooter screws or fisxtures. Prolonged exposure under excessive heat and cold affect the upholstered and non-upholstered parts and batteries and battery components of electric scooter.

Warning!

Do not expose the electric scooter to flames. This electric scooter is not waterproof, do not expose it in rain or snow and do not drive in rain or snow. Do not ride the electric scooter across waterways. Avoid environment that is directly impacted by water (e.g. heavy rain) or is very wet. Do not use the electric scooter near water sources such as rivers, lakes or sea.

Warning!

Do not alterate the controller settings your own. Any variation of controller happent, please contact your service provider. Never have any unauthorised modification. Adding accessories may alter the specification of the electric scooter such as the total weight, dimensions or the centre of gravity. Changes may damage some aspects around you. Do not alter the specification of seat. Do not place any other cushions or pillows on the seat. These could lead to an unstable seat position and fall off from scooter.

Warning!

Do not leave the electric scooter under low or high temperature for long time, it will potentially impair the functions of electric scooter. Always check the electrical components if there is corrosion, check all brakes if there are ny looseness, wears and tears or damages. Constantly check the wiring harnesses and terminals, in case of any damage for immediatly replacement if it is necessary.

Warning!

The electric scooter is not designed for climbing up stairs or escalators. Do not seat on electric scooter when it is transported by any vehicle. Do not tow the electric scooter, it may exceed its own speed threshold resulting in damage of critical parts.

Warning!

When transporting electric scooter with battery, please make sure that they are under safe condition. Do not transport electric scooter or battery along with flammable materials. For safer transportation, keep power off all time. Failure to keep power off, electric scooter may move unexpectedly due to mistake touching of the controlling devices. Make sure brakes are engaged to prevent electric scooter from moving during transportation. If electric scooter is driven with a person into the lift, switched off after driving into the lift and the person must be seated firmly to ensure that the vehicle does not move.

Warning!

It is strongly recommended do not smoke while sitting in electric scooter. Please observe the following safety rules if you insist on smoking in electric scooter. Keep ashes at a safe distance while disposing of your cigarette and make sure it is completely extinguished.

Warning!

Manual mode without an attendant is prohibited and it may result in personal injury. To prevent electric scooter out of control and moving on its own, do not switch scooter to manual mode especially on any inclined surface. When seating in electric scooter, do not move position by yourself to prevent personal injury may result, Always ask care giver for help if necessary.

Warning!

Expect to be seated in a fixed position for longer time, switch off power to keep electric scooter from moving accidentally. Adopt any accessory that may interfere with the operation, as it may cause the electric scooter to move unexpectedly. Keep yourself, your clothes and other objects away from wheels while the electric scooter is in motion. Do not drag any objects behind the electric scooter while it is in motion.

Warning!

Do not connect any other device which described in the manual, especially electronic system or apply any other device with the electric scooter battery. When disconnecting the harness, grasp the terminals to prevent damage to the harness. Do not pull the harness directly.

Warning!

Before getting in and out of the electric scooter, try to sit as far back as possible in the electric scooter to prevent injury from rollover. Avoid bracing your body on the armrests as it may cause a rollover with injury. WARNING! Avoid concentrating your weight on the footrests, it may lead to rollover for injury.

Warning!

The electric scooter may come to a sudden stop at any time during operation. Do not operate electric scooter if it runs abnormally or irregularly. Under unlikely events, such as electric scooter turns to unexpected direction, immediately release the joystick and power off at once. Power off immediately while it comes to loss of control or malfunction of the brakes.

SECURITY GUIDANCE

Warning!

1. The user must perform all of the procedures in this manual.
2. Do not drive on public highway.
3. No over cross any gap which is over 100 mm (3.94") in width.
4. Never try to overpass obstacle which is over 40 mm (1.57") in height.
5. Electric scooter is suitable for both outdoor and indoor use, hospital, senior center, family or similar circumstances use only.
6. The suitable environment of using electric scooter.
   Temperature -10~+50℃, Atmospheric Pressure 860~1060hPa, Humidity 10% ～ 93%.
7. Power Source Condition:
   Charging Voltage AC (100-240)V±10%, 50±1Hz, Battery Voltage DC 24V(+5%, -10%), Power of Motor ≥150W environmental conditions that might be harmful to the electric scooter (e.g. inclines greater than 8 degrees, rain, snow, ice, etc.), such as temperature and humidity.
8. Operate electric scooter after it is under unfolded condition and only allow one person on electric scooter all time.

Weight limitations

1. The electric scooter is tested with simulation of human model at 120 kgs (265 lbs) load capacity.
2. Your electric scooter is rated for a maximum weight capacity. Please refer to the product specifications table for this limit. Keep in mind that the maximum weight capacity includes the combined weight of the user and any accessories mounted to the electric scooter. Stay within the specified weight capacity of your electric 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!

- WARNING ! We are not responsible for any damage and inquiry cause due to over weight.
- WARNING ! Not to drive on dangerous slopes.
- WARNING ! Not to drive backwards when going up and down a hill. Max ability is uphill 8°.

Statement

Indications for use:
It is a motor driven, indoor and outdoor transportation vehicle with the intended use to provide mobility to a disabled or elderly person limited to a seated position.

The electric scooter (Model Flight) has a base with aluminium alloy frame, two front wheels, two rear wheels, a seat, an adjustable steering column, a tiller console, an electric motor, an electromagnetic brake, 2 rechargeable Lithium-Ion Batteries with an off-board charger. The movement of the electric scooter is controlled by the rider who operates the throttle lever, speed control dial and handle on the tiller console. The device is installed with an electromagnetic brake that will engage automatically when the electric scooter is not in use and the brake cannot be used manually. The electric scooter only can be operated on the flat road.

1. Please read the following statement.
2. Please read this manual carefully and understand everything clearly before using the electric scooter for the first time.

Warning!

1. Please do not use the electric scooter in any unclear cases, otherwise, the product may be damaged or people may get hurt. If you have questions, please contact us.
2. Please pay attention to the warning and cautions in this manual. We are not responsible for any injury and damage caused by wrong use of this product and neglect of the warnings and cautions.

Instructions

Warning!

1. Improper use will cause death or serious injury.
2. Improper use will cause damage of electric scooter.
3. Comply with the manual to keep electric scooter in good condition.
4. DO NOT make sharp turns at high speed or on inclines or reverse direction abruptly.
5. DO NOT utilize brake release / freewheeling option on any incline without assistance to control motion.
6. To avoid danger of suffocation, keep all the plastic bag in the package away from babies and children. Do not use the plastic bag in cribs, beds, carriages or playpens. The plastic bag is not a toy.

PRODUCT RELATED EXPLANATION

【Intend Use】 The product is for people with inconvenience of having ability to walk fully or having or with disabilities (excluding obesity).

【Intended use environment】 Electric scooter is suitable for operated on concrete, asphalt, and flat indoor surfaces inside homes, hospitals, nursing homes, home souround-ing area.

【Contraindications】 Intended user, with visual weakness, intellectual impairment or neck disease, who is unable to observe environment on the back, should be operated by others. Anyone with paraplegia below the chest, os-teoporosis or hypochondriasis is prohibited to use the product.

【Frame No.】 FNS03-2024-07-001

- Model no.
- Year
- Month
- Serial no.

【Eternal Identification Mark】 Please refer to QR code on frame

XXXXXXXXXXX

【 Label of the Electric Scooter】

MAJOR PARTS

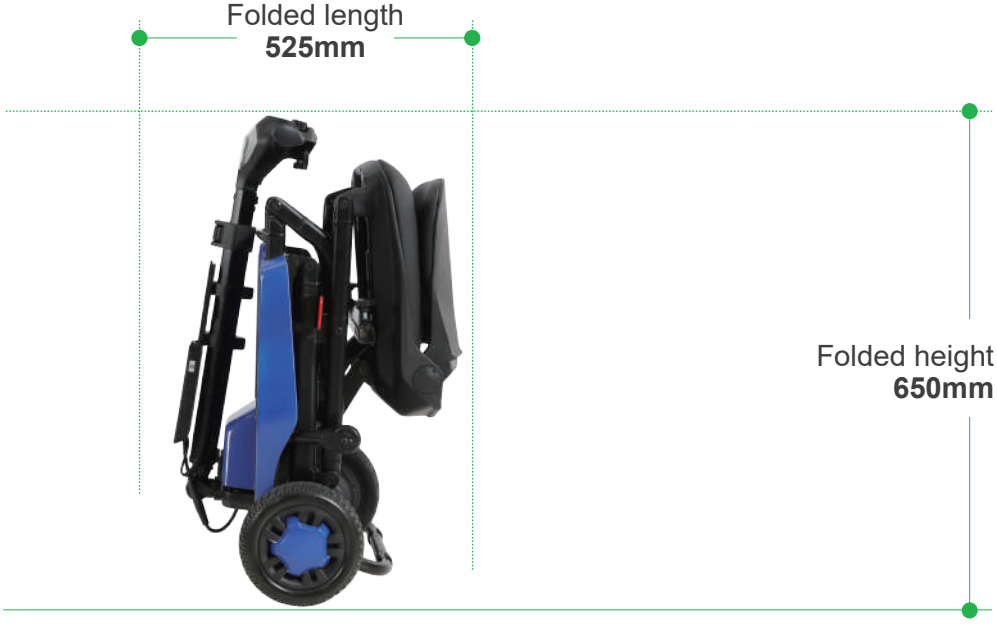
Armrest
Control Panel
Steering Post
Cliper
Backrest
Lithium Battery
Seat Cushion
Seat Supporting Frame
Front Frame
Storage Basket
Footrest
PU Solid Wheel
Rear Wheel
Anti-till Wheel

LCD Dispay
Power Switch
Horn
Speed Adjustment
USB Charging Port
Headlight Swtich
Direction Control Lever
Battery Anti-theft Key

SPECIFICATION

Model	Flight
Material	Aluminium Alloy
Unfold Size (L * W * H) (mm/inch)	1010 × 525 × (830~1030) mm (39.7" × 20.7"× (32.7"~40.6"))
Fold Size (L * W * H) (mm/inch)	360 × 525 × 650 mm (14.2" × 20.7" × 25.6")
Loading Capacity	120 kgs (265 lbs)
Motor	150W × 1 pc brush motor
Battery	24V 6AH × 2 pcs Lithium battery
Max Speed	6 km/h (3.7mph)
Driving Range	15 km（9.3 miles）with 1 pc Lithium battery 30 km（18.6 miles）with 2 pcs Lithium battery
Front Wheels	8" PU solid wheels
Rear Wheels	7.5" PU solid wheels
Climbing Slope	Max 8°
Charging Time	3 hours each Lithium battery
Width Between Armrests	420~500 mm (16.5"~19.7")
Seat Width	400 mm (15.7")
Seat Depth	380 mm (15")
Seat Height	585 mm (23")
Turning Radius	700 mm (27.6")
Drive Model	Rear Drive
Braking System	Electromagnetic Brake
Weight Of Front Section	13 Pounds / 5.8 Kilogram
Weight Of Rear Section	23 Pounds (Without Optional Arm Rest) / 10.4 Kilogram
Weight Of Rear Section	29 Pounds (With Optional Arm Rest) / 13.1 Kilogram

SPECIFICATION DIAGRAM



SAFE USE GUIDELINE

Warning!

Do not operate electric scooter exceeding specified slope angle or aganist other requirements mentioned in the manual.

Safety precautions

- Do not drive before fully read and understood the manual.
- The electric scooter is limited to one person use, do not drive with a additional passenger.
- Switch off the power when the electric scooter is not in use.
- Slow down when driving on uneven rocks or soft ground.
- Slow down when turning at corners.
- Do not park on slopes.
- Avoid driving on steep slopes. Do not drive continuously on slopes with 9 ° and length of 300 metres or more. If exceed climbing limit, the control system will automatically cut off the power to protect the vehicle, turned power on again before the vehicle can be driven.
- Please be careful when driving to the bottom of the slope or near the slope, raised ground, unprotected edges (such as roadside, door contour, stairs, etc.).
- It is prohibited to change the initial settings or modifications of the electric scooter.
- Be careful when driving at busy streets, markets or shopping centres. Do not drive in unsafe areas or on roads where traffic is legally prohibited, consult your local government or national agency for traffic regulations.
- It is prohibited to use the electric scooter as a seat in a moving vehicle.
- The product uses a lithium-ion battery. It is prohibited for non-professionals to dismantle the battery.

Precautions for use

- Repairs and modifications
  If you need to repair or modify, please discuss with your local dealers or distributors.

- Original Parts
  When replacing parts, please always choose original parts.

- Environmental Protection
  Please do not dispose of the vehicle and battery at the end of the life cycle. If you need to dispose of them, please contact with your locat dealers, distributors or directly contact with manufactuer.

⚠ For users

Keep metal objects away from positive and negative terminals of battery to avoid electric shock and circuit short cut.

1. Carefully read through the instructions, or receiving training and guided by professional techinician or nursing staff who is familiar with the product.
2. Always have full understanding and feel of electric scooter prior to start up and operate the electric scooter.
3. Always with help by nurse to practice forwarding, bakcarding, obstacle overcoming and so on, until familiar the operations independently, proficiently and safely.
4. Make sure fully aware of safety if you would like to try a new action.
5. Have a full realization of the area where you would like go with electric scooter, keep away and hazards.
6. The maximum capaicity weight of the electric scooter is 120 kgs (265 lbs), please do not overload, please do not overload. It is limited to one passenger.
7. Do not drive under consumption of alcohol or fatigue.
8. Please do not drive at night or in poor visibility.
9. Please have inspectionbefore driving, refer to the instruction manual for the first time "Commissioning" and "Pre-operation practice".
10. This electric scooter is not waterproof, please do not expose it under rain or snow, and do not drive when it is rainy or snowy.
11. This electric scooter has certain ability to cross ditches and obstacles, reduce the speed and slowly over the obstacles.
12. Avoid travelling in places with heavy traffic flow such as crowdness and full of vehicles.
13. Fully understand the local pedestrian traffic rules. It may be difficult for others to see you when you are in the electric scooter. Manufactuer is not responsible for any personal injury and/or product damage caused by improper operation.
14. Never switch to manual mode without any attendant. It may result in personal injury. To prevent electric scooter from losing control and moving on its own, do not place electric scooter under manual mode on any inclined surface. When you seating in electric scooter, do not move the position by yourself, personal injury may be occurred. Seek assistance of care giver if necessary.

Operational environment

1. This electric scooter is suitable for good, leveled surfaces. Do not drive under heavy rain, snow, on mud, on rough, on loose, in narrow, on icy surfaces, on treacherous roads or waterways without guardrails, on poor roads, or under icy conditions. Water or excessive moistures may cause electrical parts to malfunction. Do not operate electric scooter when the ambient temperature is below -10°C or above 45°C.

Warning!

Avoid malfunction of electric scooter:

- Do not place or keep the electric scooter under direct impact of water (such as heavy rain) or in a very humid environment.
- Please do not use this electric scooter while in bathing, sauna and swimming.
- Please do not use this electric scooter near water sources (such as rivers, lakes or oceans).
- Please ensure that the battery charging cover is closed.
- If the joystick is damaged, please replace the joystick device.
- Ensure that all electrical connectors are secured and free of looseness.
- It is forbidden to wash this electric scooter with water. If the electric scooter is soaked, please remove the battery and dry the electric scooter as soon as possible, dry immediately after the electric scooter is determined, insert it into the battery holder for reuse.
- Switch off power of the electric scooter before charging, please do not charge below 0℃, please charge while environment temperature is between 0℃ ~ 45℃.
- Do not charge indoors from risk of fire. Do not charge with power on to prevent malfunction.
- Prevent the battery from frozen and do not charge frozen battery, charging frozen battery may cause personal injury and battery damage.
- Keep all charger power cables and terminals clean, dry and keep away from moisture sources from damage of electrical system and personal injury.
- This electric scooter is not waterproof, do not expose under rain or snow and do not drive when rainy or snowy. Do not operate electric scooter across waterways. Avoid placing or operating electric scooter in an environment where directly hit by water (e.g. heavy rain) or in any very humid environment.
- Do not expose the electric scooter to flames. Do not leave the electric scooter for long time under low or high temperatures, it will impair the functions of the electric scooter.
- Check the electrical components frequently for corrosion.
- Always check the electrical components for corrosion, check all the brakes, wear and tear, and check the wiring harnesses and terminals.
- Check the wiring harnesses and terminals and replace them in time if necessary.
- Do not connect any other device to the electronic system of electric scooter or use the electric scooter battery to activate any other device unless described in the instruction manual.
- When disconnecting the wiring harness, always hold on terminals to prevent damage to the harness. Do not pull the harness directly.

2. When it is unable to avoid operating the electric scooter onto wet or smooth ground, please be careful and keep at very slow speed.

   - One or two main wheels lose traction, Stop the electric scooter immediately to avoid out of control or falling down.
   - Any snow, ice, water or oil film on any slope or ramp, please do not drive when come across these situations.
   - With doubting and can't confirm the safety, please always ask for helping.
   - Keep electric scooter under dry and clean environment. Do not access in showers, bathtubs, pools or sauna. Rain, snow, salt, fog/spray conditions and frozen/smooth surfaces caused rust or corrosion of electric scooter screws or some of the fixtures.
   - Long exposure under extreme heat and cold may affect upholstered and non-upholstered parts and battery components damage.

Suitable surfaces

1. The electric scooter is suitable for travelling on concrete, asphalt, indoor flat surfaces in the vicinity of interiors, hospitals, nursing homes and homes and buildings only.
2. Do not operate the electric scooter on sand, loose soil or rough and rugged terrain to prevent damage of bearings, axles or motor, and possible loosening of fasteners.
3. Do not drive on grass, gravel roads, slopes greater than 8 ° and motorways, and do not operate in rain or snow.
4. Do not drive on public roads.

Driving on road

Most countries and regions are illegal for electric scooter to drive on motor vehicle lanes. It is dangerous for electric scooter to drive on roads or parking lots.

1. When dritve at night or in darkness, for safety concern user can also wear a garment with reflective material.
2. When come across with other vehicles, make sure the drivers of vehicles notice you easily. Have eye contact with the driver before you continue. Communicate and allow the driver understand your intention until you are convinced that it is safe.

⚠ Safety tips for riding motorized vehicles

1. Do not to drive electric scooter through transportation, such as buses, subways, trains, planes and ships.
2. If you must drive an electric scooter, you should be accompanied by someone to find a reliable place to park, fasten your seat belt and turn off the power supply of the electric scooter.
3. If the user drives the electric scooter alone, it is necessary to find a place where the wheels or the whole electric scooter can be fixed and parked, so as to avoid injury of sudden braking or traffic accidents.
4. Don't keep the electric scooter in the front of any vehicle, as a result of interfering with driving of vehicle driver.
5. To get on and off bus, if necessary to lift the user together with the electric scooter, please hold the edge of the seat cushion frame, Never hold the armrest or the rear backrest frame.
6. The electric scooter is designed to be driven into lift car for lifting and lowering. Once inside lift, switched off power and the person must be seated firmly to ensure that the vehicle does not move.
7. Do not attempt to operate electric scooter under conditions that described in the manual for example weight training, towing for sports and athletics, fast moving or towing which may result in hazards and excessive stress of the electric scooter.

Balance on driving

The electric scooter should be kept in balance and at stability to center gravity while driving to avoid overturning during the process of forward and backward. The balance to center gravity is affected by the following factors:

1. The seat height and angle.
2. Dynamic body position, posture or weight distribution of user.
3. The angle of ramp or slope.
4. Change load and weight distribution of electric scooter by applying backpack or other object.

Warning!

Please do not make any unauthorised modifications to the electric scooter. Adding accessories may change some of the specifications of the electric scooter such as the total weight, dimensions or the centre of gravity. Be aware that some changes may damage things around you.

Do not alter specifications of your seat. Do not place any cushion or pillow on the seat. This may cause seat unstable and fall off.

If modify or adjust this electric scooter required, please consult with your dealer in advance, a modification plan should be authorized by the manufacturer in writing. The modification of electric scooter could have additional adjustment to correct the center of gravity. When electric scooter has been modified, be especially careful to familiar with the balance point of the electric scooter and master the ways to avoid falling or overturning.

⚠ Precautions for getting on/off electric scooter

1. When it is ready to seat on the electric scooter, please make sure to turn off the power first. If you touch the joystick, it may cause electricity. The electric scootert moves unexpectedly due to unexpected mistake touching.
2. Learn safest way to move your body from your health care professionals, the way to position your body and properly support yourself in the process of moving.
3. Ask for help you until you before you can safely get on and off the electric scooter alone.

⚠ Recommended cloth dressing on electric scooter

When you sit in an electric scooter and dressing cloth, your body will rotate. In order to make the electric scooter more stable, the front caster should be adjusted to the forward position.

Keep yourself, clothings and other objects away from wheels while electric scooter is in motion. Do not drag any objects behind the electric scooter when operating.

Obstacles over passing

You may need to overcome some obstacles in daily use, including doorsill, elevator, ramp, pit and broken pavement, etc. Improper operation may damage your electric scooter, and also cause personal injury.

1. Note that the threshold is very dangerous. Even a small height may jam the casters and tilt the electric scooter or rollover, it is recommended that remove the threshold of the room or cover the threshold to slope. Install a ramp to access door.
2. When you move the electric scooter, please carefully check the area you want to pass, make sure the place where you use electric scooter could smoothly and safely cross obstacles.
3. Adjust your center of gravity by the following methods: When about to cross an obstacle or pass a section from low to high, slightly tilt your upper body forward. When pass through a section from high to low, upper body should press back.

Backward

In reverse extra carefully While rear wheel hits an object, you may lose control of the electric scooter and fall.

1. When driving backwards, please always slow down.
2. Check from time to time to ensure that there are no obstacles endangering safety on the road.

Driving on incline/slope/hillside

When on the slope, the balance center of gravity of electric scooter will change. Note if it is not sure about the safety of using this electric scooter on a slope, please use it with some help, and be sure not to use it alone.

Matters needing attention:

1. For your safety, please don't use this electric scooter on a slope with a gradient older than 8.
2. Please don't use electric scooter on slippery slopes (such as snow, ice, water or oily film).
3. Please don't use this electric scooter when the road surface on the slope has ups and downs (ups and downs, bumps and depressions).
4. If there is a small pit at the bottom of the slope, please do not use this electric scooter.

Weight restrictions

1. The maximum load of this electric scooter is 120 kgs (265 lbs), and the load in use should not exceed this maximum load.
2. The bearing capacity of the rear backrest is less than 75 kgs (165.4 lbs), it is not allowed to press down or lift the rear backrest.
3. Under no circumstances, do weight training on this electric scooter, even if the user's weight is added with the lifted weight. The sum of the quantity does not exceed the maximum bearing capacity of the electric scooter.
4. In use, the load exceeding the maximum load may damage the seat, frame, fasteners, folding mechanism, etc. May seriously hurt. Or other people, may also damage or scrap the electric scooter.
5. No warranty is provided for problems caused by the load exceeding the maximum load in use.

MAIN OPERATIONAL PARTS FUNCTION

Handle Bar Set

The handle bar set is including control panel (with LCD display of battery power, driving speed km/h, power switch, speed setting knob and horn.), handle, directional control lever. The major operational functions are shown. (Refer to Photo 1).

Photo 1

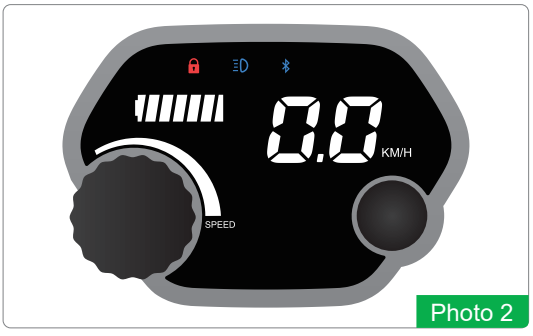


Photo 2

Battery power and speed are shown on LCD screen while power is turned on. (Refer to Photo 2).

Power Switch

Press the power switch on control panel for power on and off (Refer to Photo 3).

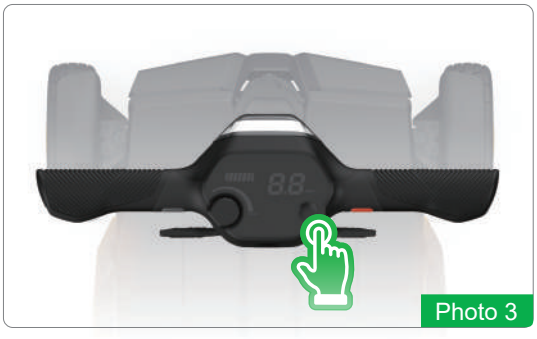


Photo 3

Speed Adjustment

The adjustment of speed through speed control knob by fingers, speed range is from 0 km/h to 6 km/h at your choice. Turn the knob to very left for lower speed while turn very right for higher speed. (Refer to Photo 4).

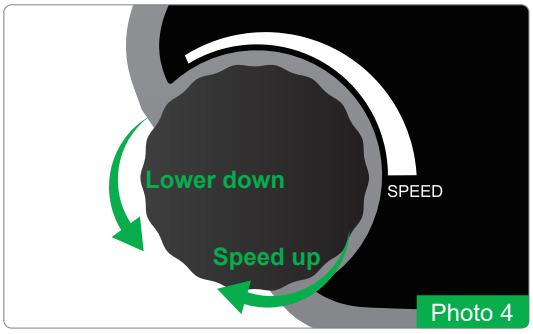


Photo 4

Warning!

1. Always keep lower speed level during turning or backward for keeping safety.
2. Humidity of ambient environment significantly affects on the operational function main parts. Keep in low moisture surrounding before operating or during operating is strongly recommended.

Photo 5

Battery Anti-theft Key

a. After the battery is installed, manually turn the key clockwise to lock the battery.

b. Manually turn the key counterclockwise and remove the battery.

Horn

Beep sound will be on by keeping pressing the horn button. Sound the horn in time under any necessary condition during driving. (Refer to photo 6).

Photo 6

Direction Control Lever

Forward and backward control are under Control Lever.

a. Gently hold handle with both hands.

b. Electric scooter goes forward by pulling left of lever to the back (or push right lever to the front) with fingers. (Refer to Photo 7).

c. Goes backward by pulling right of lever to the back (or push left lever to the front) with fingers. (Refer to Photo 8).

d. Beep sound goes on during backward.

e. The control lever automatically return to neutral position while released and brake is engaged at the same moment.

Photo 7

Photo 8

Telescopic Steering Post

Pull up clipper for adjusting the length of steering post, push back the clipper for locking at desired length.

Tiller Adjustment

Tiller angle can be adjusted by rotating the knob to loo-loose and tighten up once at desired tiller angle .

Controller

Located under rear cover which transfer the signal from control panel to motor, brake and hub.

Warning!

Keep controller under low moisture environment and make sure it is in dry condition before operation.

Electric / Manual Mode Switch

Hand brake on and off can be done by switching the lever into manual or electric control. (Refer to photo 9).

Photo 9

Electric Control Mode

Push down hand levers to "🔓" for electric control mode.

Manual Control Mode

Pull up hand brake levers to "🔒" for manual mode.

Seat belt installation

Seat belt plays a role of restraining displacement and buffering, preventing user from sliding down the seat forward. Seat belt can be adjusted according to the user's comfort. In case of accidents, it will firmly hold the user to the seat to prevent personal injury caused by secondary collision.

1. Install seat belt:

Ensure that the seat belt has bound the waist of the body with the lower part of the backrest frame of the electric scooter.

2. Adjust the seat belt according to user's comfort:

Please bulked up with a click sound.
Adjust the safety belt with appropriate length, don't be too tight causing discomfort.

3. Unbuckle your seat belt:

Press the button on buckle to unbuckle.

Warning!

Make sure that the seat belt is properly fixed on the electric scooter and adjusted to the most comfortable state for the user. Check whether the seat belt is loose or damaged. If you find a problem, please contact the dealer for maintenance and repair.

FOLDING AND UNFOLDING

1 Folding Steps (Steering Post Assembly attached)

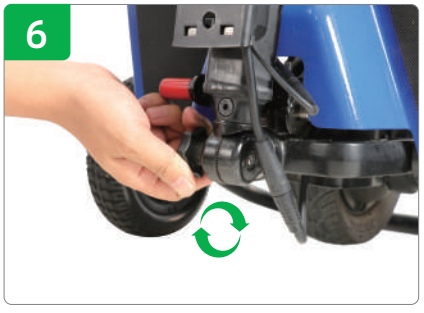
Step 1
Switch off the electric scooter.

Step 2
Unlock the frame by pulling up lever.

Step 3
Lift up the pulling lever.

Step 4
Loosen the steering post knob counterclockwise.

Step 5
Fold the steerng post inwards.



Step 6
Tighten up steeing post knob clockwise and the folding procedure is completed.

2 Folding Steps (Steering Post Assembly detached)

Step 1
Switch off the electric mobility scooter.

Step 2
Pull back the front end lever.

Step 3
Separate front steering post and wheel assembly from rear assembly.

Step 4
Lift the folding lever upwards to fold the body, folding is completed.

Unfolding Steps

Reversely follow the fold steps to unfold the electric scooter.

BATTERY AND CHARGING

The electric scooter is design for maintenance free with long usage of lithium battery. It is suitable to be charged with 24V 2A charger.

1. Fully charge the battery is good for battery usage. At least charge once in every 3 month.
2. Charge battery to full level and take apart battery from electric scooter if not going to use your electric scooter for long period of time.

Steps of charging battery

1. Power off the electric scooter. (Refer to photo 10).
2. Open the cover of charger cap. Insert the charger plug in charge port of electric scooter through the transfer cable (Refer to photo 11).
3. Connect the A/C power plug of charger to House power source. Check the light on charger, orange color light means charging is in progress while green light shows power if full.
4. Turn off power charger when battery is fully charged. Disconnect AC power source before disconnect the DC charging plug.

Photo 10

Photo 11

Warning!

1. Do not charge continuously over 3 hours through charging port of controller to prevent over charging while two batteries are inserted.
2. Make sure charger plug is fully plug in the charging port of electric scooter.
3. Disconnect AC power source after fully charge of battery will keep the life of Lithium Ion Battery longer.

1. Charger red light is off while power source and power of charger is on. Please check if the power connection is set properly.
2. Full charge time is around 6 hours duration.

Frequency of Charging

The frequency of charging is based on the following conditions

A. All day long driving of electric scooter.

B. Occasional driving electric scooter.

How to reach maximum driving distance

A. Make sure full charge before driving

B. Keep away from go up hills, macadam and soft terrain.

C. Carry necessities, reduce load of electric scooter.

D. Drive smoothly without intermittent.

Some knowledge on how charger charge battery

Large input of current from charge to battery at low voltage level, small current given from charger when battery is close to full. Almost zero or little current given to battery, continuously charging would not cause over charge, however, it is suggested charge duration not over 6 hours. The battery will continuous be charged under charger connected situation.

The indication of charger lights

Two LED lights are on charger, red stands for power connection, the other is charging status indication which shows charging with orange color and turns green on fully charged. Red light may continue after power source disconnection, there maybe something wrong. Normally red light will be off in a few seconds if disconnected to power source, it is normal for red light to snuff out whille battery voltage is up to level.

Other type of charger

The charger is designed for battery of the electric scooter. Strongly suggest do not use other type of charger from original manufacturer.

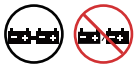
Safe and reliable battery charging

A. Do not charge continuously over 6 hours through charging port of controller to prevent over charging while two batteries are inserted.

B. Immediatly unplug charger from power source as soon as indicating light on charger turns green.

C. Charge electric scooter once a week when the use frequency is once in a week. Fully charge takes 6 hours.

D. Keep battery at full power.



Suitable specification of battery. Lithium Ion battery with specification listed.

Warning!

Do not take apart battery on your own. No need to add water for the battery. Miss use of battery cause damage are excluded in warranty.

BATTERY SAFETY AND LIFE GUIDE

The reason of weak on new battery

The electric scooter use deep-cycle battery under special chemical technology that allow battery quick to be charged with longer time use after full charge. Battery along with electric scooter packing is charged full, however, the performance of initial power will be reduced in the process of transportation, such as temperature variation.

High temperature causes battery power loss while low temperature lead to longer charging hours. It takes a few days for adapting to ambient environment then turn to normal after transportation. It takes a few days tor returning to stable perofmance after several charging and discharging cycles.

Steps of improving battery performance

A. Always charge to full when battery is new to ensure battery has 88% at least.

B. Always charge battery to full after use and keep on driving electric scooter is safe and familiar locations. Stay low speed if you are first time user.

C. Charge battery to full after second time driving, it will increase the battery reach 90% capacity performance.

D. After 4~5 times of driving with full charging, the performance of electric scooter will reach 100% level.

Ensure battery life

Full charge of battery keep good performance and life longer, while over charge and seldom charge of battery damage.

Storage of electric scooter and battery

Long time for not using electric scooter, please following the instruction for storage of electric scooter.

A. Charge full battery.

B. Disconnect battery.

C. Keep electric scooter under dry and suitable temperature.

D. Avoid dramatically temperature variation during storage.

Warning!

Keep in warm condition a few days when battery get frozened.

INSTRUCTION OF OPERATION

Long time storage of electric scootert is preferred lay a plate under foot rest panel for supporting and it will avoid stain on tires after long time pressure to the ground.

Before operating instruction

A. Make sure battery is fully charged.
B. Familiar with the route condition including crowd, animal and potential obstacles.
C. Always keep away from uneven and sloppy terrain.
D. Check if is fully inserted and the brake lever switch is pushed.
E. Steering with both hands rest on handle bar.
F. Sound the horn to check if it works.

Driving

Upon driving the electric scooter, please follow the following steps:

A. Unfold electric scooter fully.
B. Check if the seat at right position and adjust tiller to comfortable position.
C. Turn on power after making seat properly with hands on handle bar.
D. Gently push directional control lever with right thumb.
E. Brake release automatically and electric scooter move forward. Do not push control lever to much in a sudden for the speed would be rapidly pick up.
F. Turn handle bar to left for turning left.
G. Right turning of handle bar to make right turn.
H. Electric scooter move straight forward by keeping handle in center position.
I. Brake is automatically on when control level in center position and once electric scooter stop going.

End of Driving

A. Make sure electric scooter is fully stopped.
B. Turn off Power with Key or turn the rocker switch to “O” position.
C. Carefully get off the electric scooter.
D. Fold electric scooter with 3 types of choice through Remote Controller, Electric Switch or by manual.

TRANSPORTING FLIGHT

Never transport the electric scooter in a tie up system (electric mode), as the Flight electric scooter is not compatible with them. Never sit in the electric scooter and be transported in moving vehicle. Do not place the folded electric scooter in the front seat with driver where it could move and slide.

Direction for use

1. Transportation requirements: Batteries should be packed into boxes for transportation. During transportation, severe vibration, impact or extrusion should be prevented, and the batteries should be protected from the sun and rain, so that Transport by car, train, ship, plane (Never exceed 25% charge of battery when it comes to aircraft transportation and keep lower than 50% charge of battery for other vechicle transportation.) and other means of transportation.
2. Storage requirements: The battery should be stored in a clean, dry and ventilated room with an ambient temperature of -5℃ ~ 35℃ and a relative humidity of not more than 75%. Avoid contact with corrosive substance and keep away from fire and heat source.
3. The main material of this product is aluminium alloy. The product can be used to replace the running and walking function of potential user with mobility disorder having no trauma. It belongs to non-sterile medical device, sterilization/disinfection process is not applicable. Cleaning method of the product: wipe with clean and soft paper or cloth.Do not clean the electric scooter directly with water or never direct contact with water.
4. Discarded batteries shall be collected and treated by qualified party, and shall not be thrown at random, causing environmental pollution, so as to minimize risks.
5. Never transport the electric scooter or battery with flammable materials. For safer transportation, keep power off all time. Failure to do this, mistake touching of controlling devices will lead move of electric scooter accidentally. Make sure brakes are all engaged, it will prevent electric scooter stable during transportation.

WARRANTY

1. This warranty is valid from the date of factory and valid for the replacement of dysfunctional parts only. Any parts under warranty will be replaced and shipped to your door. Any service and labor fees, if applicable, to replace parts under warranty must be paid by the user.
2. Due to its straightforward design, most parts can be easily exchanged by the end user without a professional service tech required. However, it is always recommended you seek professional help for maintenance and service, to make sure the work is down properly.

Under warranty

Electric scooter frame	3 years	Motors	1 year
Controller and CPU system	1 year	Battery	6 months
Wear parts: Includes tires, seat and back rest, armrests, and support straps.			3 months

The warranty does not cover:

1. Products damaged by user negligence.
2. products damaged accidentally.
3. Products damaged intentionally.
4. Products that have been subjected to negligence.
5. Products that have been subjected to abuse.
6. Products that have been improperly stored.
7. Products that have been improperly handled.
8. Products that have been improperly operated.
9. Products that have experienced general misuse.
10. Products that have been modified in an unauthorized, unapproved way.

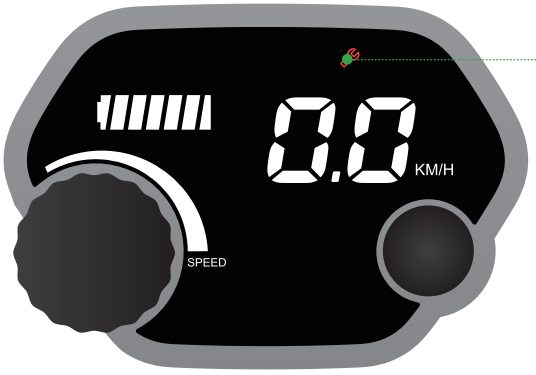
Warranty is non-transferable and only valid for the original electric scooter purchaser.

The company reserves the right to make any change and improvement without prior notice.

It reserves and also the property of models and forbids their reproduction, even partial.

TROUBLE SHOOTING AND MAINTENANCE

Digital display on top control panel has reminding icone and code shown in case any fault of electric scooter, the factor of correspsnding factors and trouble shooting meothods are listed below under codes.



Reminding icon of fault

Red icon rule is:

Red icon is on when it comes across with any error, error code will be shown under the icon for indicationg fault.

Description of fault code to identify the type of fault.

Fault code*	Definition	Description
1	Throttle not at zero	When the scooter is on, the throttle signal is detected to be not at the zero position. Problem and solution: 1. The mechanical position of the throttle changes, causing the startup signal to be not at the zero point. Check whether the throttle push rod has a mechanical failure. If there is a problem, replace the throttle device. 2. When starting the scooter, operate the throttle push rod too early. Wait for 1S before operating the throttle push rod. 3. The controller has circuit problem. If restarting cannot solve the problem,replace the controller.
2	Brake failure	When the scooter is on, the brake shows abnormal. Problem and solution: 1. Brake is in manual mode: Change brake to power mode. 2. Disconnect the brake harness: Check whether the harness is detached or cut off and reconnect it. 3. The controller has circuit problem: If restarting cannot solve the problem, replace the controller.

Fault code*	Definition	Description
3	Motor position sensor failure	When the scooter is on, the motor position sensor signal is detected to be abnormal. Problem and solution: 1. The motor harness connector is loose, check whether the harness is detached or cut off, and reconnect it. 2. The controller has circuit problem, if restarting cannot solve it, replace the controller.
4	The motor running current exceeds the maximum threshold	When the scooter is on, the motor phase current is detected to be too large. Problem and solution: 1. The motor harness connector is loose. Check whether the harness is detached or cut off and reconnect it. 2. The controller has circuit problem. If restarting cannot solve the problem, replace the controller.
5	The controller temperature exceeds the maximum threshold	When the scooter is on, the controller temperature is too high. Problem and solution: 1. Check if the motor is blocked or has a mechanical failure. 2. The controller has circuit problem. If restarting cannot solve the problem, replace the controller.
6	Abnormal controller start-up current	When the scooter is on, the abnormal current of the controller startup is detected. Problem and solution: The controller has circuit problem. If restarting cannot solve the problem, replace the controller.
7	Motor phase missing	When the scooter is on, motor phase missing is detected. Problem and solution: 1. The motor harness connector is loose. Check whether the harness is detached or cut off and reconnect it. 2. The controller has circuit problem. If restarting cannot solve the problem, replace the controller.

Fault code*	Definition	Description
8	Battery voltage failure	When the scooter is on, abnormal battery voltage is detected. Problem and solution: 1. Battery voltage is too low, below 18V. 2. Battery voltage is too high, above 32V. 3. The controller has circuit problem. If re-starting cannot solve the problem, re-place the controller.
9	The controller operating current exceeds the maxi-mum threshold	When the scooter is on, the DC current of the controller is detected to be abnormal. Problem and solution: 1. The motor harness is short-circuited, re-place the motor. 2. The motor body winding is short-circuit-ed, replace the motor. 3. The motor harness connector is loose, check whether the harness is detached or cut, and reconnect it. 4. The controller has circuit problem. If re-starting cannot solve the problem, re-place the controller.
10	Throttle push rod data error	When the scooter is on, the throttle push rod data is abnormal. Problem and solution: 1. The throttle is damaged. Check whether the throttle internal resistance is 5K ohms. If there is a problem, replace the throttle device. 2. The controller has circuit problem. If re-starting cannot solve the problem, re-place the controller.
11	Communication failure	When the scooter is on, the communication between the PCB board and the controller is abnormal. Problem and solution: 1. The wiring harness connector is loose. Check whether the wiring harness is de-tached or cut off and reconnect it. 2. The controller has circuit problem. If re-starting cannot solve the problem, re-place the controller. 3. The PCB board has a circuit problem. If restarting cannot solve the problem, re-place the control board.

The battery of electric scooter is an extremely important part, the battery life determines the service life of the electric scooter. Try to keep the battery saturated after each use, to develop such a habit, it is recommended to conduct a deep discharge every month! If you don't use a electric scooter for a long time, place it in a place to avoid bumps and pull out the battery to reduce discharge. It is also best not to overload in the process of use, which has direct harm to the battery, so it is not recommended to overload and avoid directly affecting the service life of the battery (Refer to photo 12).

Photo 12

Photo 13

After the electric scooter is used for a period of time, it is necessary to check the screw loosening of the electric scooter to ensure the connection and operation between the parts and components, and to avoid accidents (Refer to photo 13).

After being wet by water. Electric scooter should be wiped with dry rag in time, especially the part containing electrical circuit, so that the electric scooter can keep dry and clean (Refer to photo 14).

Photo 14

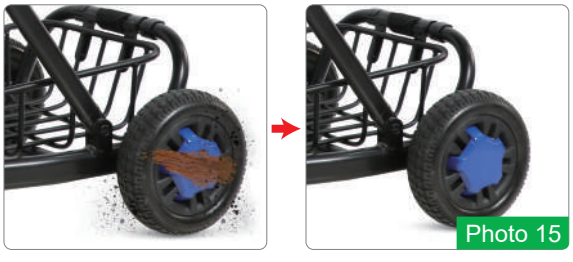


Photo 15

If the electric scooter is on the beach, gravel or wet road, if there is sand, mud or gravel on the tire, it should be cleaned in time to prevent some parts from rusting or the tire running badly, which will affect the beauty and driving comfort and safety (Refer to photo 15).

Electric scooter should avoid scratching seat leather and PU handrails and plastic ornaments with sharp objects, thus affecting the beauty of the whole vehicle (Refer to photo 16).

Photo 16

Photo 17

Electric scooter should be placed in a place where the sun can not shine, please avoid sunlight, otherwise it is not only harmful to the battery, but also has a direct impact on the service life of plastic parts and stickers of electric scooter (Refer to photo 17).

Electric scooter are relatively simple to operate, avoid driving by children or adults without experience in electric scooter. Drivers should avoid unnecessary large-scale body movements or sleep on electric scooter, which may lead to accidental danger. In order to avoid this situation, it is best to unplug the power switch key when not in use. It also avoids the risk of theft (Refer to photo 18).

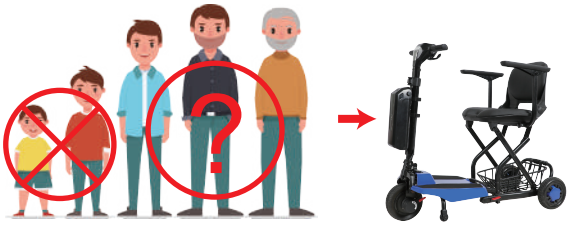


Photo 18

Maintenance tool Simple tool kit is accompanied with electric scooter in electric scooter packing, while dry soft fabric and so on are handy and easy to get in the market are not included. The period of maintenance is vary depending on the real use frequency and situation, there is no specific rule.

Maintenance frequency

1. **Daily check**

   Turn off the controller, check the lever, make sure the lever is not bent and broken, and be sure to return to it when you release it. Check the nibber base of the lever for damage. Just check the base and do not repair it. If you have any questions, please contact your dealer.

2. **Weekly check**

   Disconnect the controller connector and charger connector from the battery box. Check the connection and for corrosion. If necessary, please contact tlie dealer.

   Make sure that all parts of the controller are tightly connected to the product, do not screw the screws too tightly.

   Check the brakes. This inspection must be carried out on a level surface and there must be enough open spacet.

   Check the brakes.

   - Tum on the controller. After one second. Check the battery indicator to make sure the battery is powered.
   - Slowly push the lever forward to guide you to hear the "beep” of the brakes, and immediately release the lever. You must hear the brake operation sound after each lever is pushed for a few seconds.
   - Repeat the operation three times to push the controller to the rear, left and right sides for inspection.

3. **Monthly check**

   - Check the anti-roll wheel for excessive wear and replace the wheel if necessary.
   - Check the wear of the front wheels and drive wheels. If maintenance is required, please contact your dealer.
   - Check the front fork for wear and looseness, which may indicate that adjustment is needed or the bearing needs to be replaced. Please contact the dealer for repair, or replacement.
   - Keep the product clean and do not leave debris, such as food, beverages, residues, etc.

4. **Storage**

This product should be stored in a cool and dry environment. Do not store it at the extreme temperature. If it cannot be stored under the above conditions, it may cause rusting of the electric scooter, and damage to the electrical system. Storage conditions: temperature: -40 ~ +65 degree C； Relative humidity: W80%； Atmospheric pressure: 86kPa ～106kPa.

If you discover a problem, require for parts supply（Such as battery, tire,charger and so on）contact your authorized local dealer or distributor for assistance, alternatively direct contact with manufacturer with the following contact information.

Discover Your Mobility Inc.

11055 E 9 Mile Rd Warren Mi 48089

www.discovermymobility.com

Highly suggest that use original parts from supplier to avoid any potential issues or failure of function of electric scooter, please always consult with authorized local Dealer or Distributor first.

ELECTROMAGNETIC INTERFERENCE & COMPATIBILITY

1. Flight electric scooter meets the electromagnetic compatibility requirements of IEC60601 standards.
2. The user shall install and use according to the EMC information provided in the attached documents.
3. The portable and mobile RF communication equipment may affect the performance of electric scooter and avoid strong electromagnetic interference when using, such as close to mobile phones, microwave ovens, etc.
4. The guide and the manufacturer's statement are detailed in the annex.

Warning!

1. Keep the equipment or system away from other equipment or systems. If it is necessary to stacked on top of ,or close to other equipment, must be observed and verified to function properly of the configuration. When the power of wheechiar is on, do not operate portable transceivers, receivers, radios such as Citizen Band (CB), or turn on personal communication devices such as cellular phones while the power supply is on.
2. Though the electric scooter enhances capability of anti-interference, please observe the following rules when using the electric scooter to keep away from sources of radio wave emissions, such as radio and television stations.
3. While electric scooter comes to be abnormal during operation, turn off the power promptly and contact the manufacturer at once.
4. Do not make any alteration of electric scooter, including adding or taking off accessories, in order to enusre anti-interference capability.
5. The adoption of accessories and cables differed from orignal maker, may result in increased emissions or reduced immunity of the equipment or system.
6. The electric scooter is not intended for use in the vicinity of wireless power transfer (WPT) environment. Do not use of the device in the vicinity of wireless power transfer environment.

Project	Cable length（m）	Whether or not shielded	Remark
POWER CORD	1.4	NO	/
CHARGER OUTPUT LINE	1.1	NO	/
EXTENSION CORD	0.12	NO	/

Guidelines and manufacturer's statement-Electromagnetic Emission		
Flight electric scooter is expected to be used in the electromagnetic environment specified below, and the buyer or user of the electric scooter vehicle shall ensure that it is used in this electromagnetic environment:		
Launch test	**Compliance**	**Electromagnetic environment-Guidelines**
IEC 60601 RF launch	1	Flight electric scooter only uses RF energy for its internal functions. Therefore, its RF emission is very low and may not cause any interference to the nearby electronic equipment.
IEC 60601 RF launch	B	Flight electric scooter is suitable for domestic use and all facilities directly connected to the public low-voltage power-supply network for domestic use.
IEC 60601 Harmonic emission	A	
IEC 60601 Voltage fluctuation/ flicker emission	FIT	

Guidelines and manufacturer's statement-Electromagnetic Immunity			
Flight electric scooter is expected to be used in the electromagnetic environment specified below, and the buyer or user of the electric scooter shall ensure that it is used in this electromagnetic environment.			
Anti-interference measurement	**IEC60601 Test Level**	**Coincidence level**	**Electromagnetic environment-Guidelines**
Electrostatic discharge (ESD) ISO7176 IEC60601	±6 KV Contact discharge ±8 KV Air discharge	±6 KV Contact discharge ±8 KV Air discharge	The floor should be wood, concrete or ceramic tile, and if the floor is covered with synthetic materials, the relative humidity should be at least 30%.
Electrical fast transient burst ISO7176 IEC60601	±2KV To the power cord	±2KV To the power cord	The power supply in the hospital or in the commercial environment should be of typical quality.
Surge ISO7176 IEC60601	±1 KV Differential-mode voltage ±2 KV Common mode voltage	±1 KV Differential-mode voltage	The power supply in the hospital or in the commercial environment should be of typical quality.
Voltage sag, short int erruption and voltage variation on power in put line ISO7176 IEC60601	−0% UT, Last for 0.5 circuits (on UT,100% sag) −0% UT,Last for 1 circuit (on UT,100% sag) 70% UT, Last for 25 circuits (on UT,30% sag) 0% UT,Last for 5 seconds (on UT ,100% sag)	−0% UT, Last for 0.5 circuits (on UT, 100% sag) −0% UT, Last for 1 circuit (on UT,100% sag) 70% UT, Last for 25 circuits (on UT,30% sag) −0% UT, Last for 5 seconds (on UT ,100% sag)	The power supply in the hospital or in the commercial environment should be of typical quality. If the users of electric scooter need continuous operation during power interruption, uninterruptible power supply or battery power supply is recommended.
Power frequency magnetic field (50/60Hz) ISO7176 IEC60601	30 A/m	30 A/m	The power frequency magnetic field should have the horizontal characteristics of power frequency magnetic field in typical commercial or hospital environment.
Note: U_T refers to the AC network voltage before the test voltage is applied.			

Flight electric scooter is expected to be used in the electromagnetic environment specified below, and the buyer or user of the electric scooter shall ensure that it is used in this electromagnetic environment.

Anti-interference measurement	**IEC60601 Test Level**	**Coincidence level**	**Electromagnetic environment-Guidelines**
RF conduction ISO7176 IEC60601	3 Vrms 150 kHz to 80 MHz	3 Vrms	Portable and mobile RF communication equipment shall not be used closer to any part of the electric scooter, including cables, than the recommended isolation distance. The distance shall be calculated by the formula corresponding to the transmitter frequency. Recommended isolation distance. $d= 1.2\sqrt{P}$ 80 MHz to 800 MHz $d= 1.2\sqrt{P}$ $d= 2.3\sqrt{P}$ 800 MHz to 1.0GHz $d= 0.2\sqrt{P}$ 26 MHz to 800 MHz $d= 0.4\sqrt{P}$ 800 MHz to 2.5 GHz Where P is the maximum output rated power of the transmitter provided by the transmitter manufacturer, in watts (W), and d is the recommended isolation distance in meters (m).[B] The field strength of the fixed RF-transmitter is determined by surveying the electromagnetic field A. in each frequency range, B should be lower than the coincidence level. Interference may occur near equipment marked with the following symbols.
RF radiation (charger) ISO7176 IEC60601	3 V/m 80 MHz to 1.0 GHz	3 V/m	
RF radiation (scooter) ISO7176 IEC60601	20 V/m 26 MHz to 2.5 GHz	20 V/m	

Note 1: At the frequency of 80MHz and 800MHz, the formula of higher frequency band is adopted.

Note 2: These guidelines may not be suitable for all cases where electromagnetic propagation is affected by absorption and reflection of buildings, objects and human bodies.

a. If the fixed transmitting airport is strong, such as the base station of wireless (cellular / cordless) telephone and ground mobile radio, amateur radio, am (amplitude modulation) and FM (frequency modulation) radio broadcast and television broadcast, Flight electric scooter is expected to be used in the electromagnetic environment specified below, and the buyer or user of the electric scooter vehicle shall ensure that it is used in this electromagnetic environment, then the electric scooter should be observed to verify It can operate normally. If abnormal performance is observed, supplementary measures may be necessary, such as reorientation or repositioning of the electric scooter.

b. The field strength should be less than 3 V/m in the whole frequency range of 150 kHz to 80 MHz.

Recommended separation distance between portable and mobile RF communication equipment and electric scooter.

Flight electric scooter is expected to be used in an electromagnetic environment where radiated RF disturbances are controlled. According to the maximum output power of communication equipment, the buyer or user of electric scooter can prevent electromagnetic interference by maintaining the minimum distance between portable and mobile RF communication equipment (transmitter) and electric scooter.

Rated maximum output power of transmitter/W	**Isolation distance corresponding to different frequencies of transmitter/m**				
	150 kHz ～ 80 MHz $d= 1.2\sqrt{P}$	**80MHz ～ 800 MH（Charger）** $d= 1.2\sqrt{P}$	**800 MHz ～ 2.5 GHz（Charger）** $d= 2.3\sqrt{P}$	**26MHz ～ 800 MHz（Scooter）** $d= 0.2\sqrt{P}$	**800 MHz ～ 2.5 GHz（Scooter）** $d= 0.4\sqrt{P}$
0.01	0.12	0.12	0.23	0.02	0.04
0.1	0.38	0.38	0.73	0.06	0.13
1	1.2	1.2	2.3	0.2	0.4
10	3.8	3.8	7.3	0.63	1.26
100	12	12	23	2	4

For the rated maximum output power of the transmitter not listed in the above table, the recommended isolation distance D, in meters (m), can be determined by the formula in the corresponding transmitter frequency column, where P is the maximum output rated power of the transmitter provided by the transmitter manufacturer, in watt (W).

Note 1: At 80 MHz and 800 MHz frequencies, the formula for the higher frequency range is used.

Note 2: These guidelines may not be suitable for all cases where electromagnetic propagation is affected by absorption and reflection of buildings, objects and human bodies.

WARRANTY STATEMENT

Warranty Registration Card

User Name		**ID No.**	
Address		**Phone No.**	
Model		**Product No.**	

Purchasing Date	(Month) (Day) (Year)
Manufacturer	
Distributor	**(Stamp or signature)**
Distributor (Phone, Address)	

Warranty excludes

A. Issues due to misuse and improper maintanence.
B. Change components which is not from manufacturer.
C. Accident caused damages.
D. Consumption parts.
E. Alteration of original design.
F. Natural disaster resulted issues.

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Discover Your Mobility Inc.
11055 E 9 Mile Rd Warren Mi 48089
www.discovermymobility.com
Toll Free: (866) 868-9694

www.discovermymobility.com