



Electric



Personal



Mobility

User Manual

Model: ION G2

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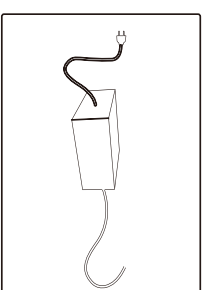
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User manual

- Allen Key

Tool set

● ION G2 ELECTRIC SCOOTER

Structural Diagram



Dashboard Instructions

Power Switch

Press and hold the power button for 3 seconds to turn on scooter. The scooter turns off automatically if not used for 90 seconds.

Speed Control

While stationary, and with the power on, press and release the MODE button to cycle through the three different speed levels 1 to 3. Use the throttle to control the speed within each speed level.

Hold down the MODE button to turn on the headlights and taillights. The taillights will flash automatically when braking.

Power Indication

The number of bars indicates the remaining power of the lithium battery.

Note: Recharge when there is only one bar because emptying the scooter of power (zero bars) is damaging to the battery over time.

LCD Screen

While stationary, and with the power on, press and release the POWER button to cycle through the following data: ODO: Accumulated Mileage
TRIP: Current Mileage, V: Current Voltage Level

To reset the TRIP mileage, while TRIP mileage is displayed, hold down MODE button for 3 seconds.



Dashboard Instructions

Front light button

Horn

LCD Display + Throttle

Brake Lever

Sport Grip



Driving Lamp

Rear Muguard

Rear Light

Shock Absorber

Tubeless Tyre
80/60-6



Parameter settings

Pressing  together for 2 seconds , will enter the instrument parameter setting interface.

48V Display Setting

Item	Details	Code Description
P00	Wheel diameter	10.0 (Cannot change,10.0 means 10 inch wheel size)
P01	Undervoltage value	41.5 (Cannot change, Undervoltage value is set according to the voltage level)
P02	Pole Pairs of Motor	17 (Cannot change)
P03	Speed measurement signal setting	1 (Cannot change)
P04	KM / Mile	0: KM; 1:MILE; Default: 0
P05	Kick start / Non-Kick start	0: Non-Kick start; 1: Kick start; Default: 1
P06	Cruise optional	0: Disable cruise; 1: Enable cruise, auto cruise optional; Default: 0
P07	Soft and hard start strength	0: weak start; 1: strong start; Default: 0
P08	Speed limit	Range: 0-100, 100 is the fastest speed.
P09	EABS strength	Range: 0-2, 0: the weakest; 2: the strongest; Default: 2

How to Fold

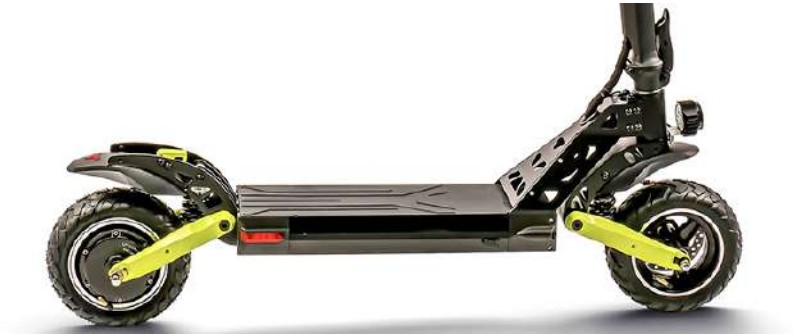


Safe Driving Tips



1. To prevent injury, wear safety gear such as comfortable shoes, a helmet, and knee / elbow padding.
2. The scooter is not waterproof. Never use it in the rain or snow. Do not use it if the road is wet or icy. Water damage is not covered by warranty.
3. Changing the dashboard settings may result in malfunction. If you need to change the settings, please ask for help from an expert or authorized dealer.
4. When turning left and right, make sure that there are no obstacles and then turn slowly, keeping a wide turning radius.
5. Before riding at night, check the position of the headlights and state of the taillights by depressing the brake lever.
6. An operating age of 18 years old and over is strongly recommended.

How to Charge



1. Always plug the charger into scooter before connecting to a household outlet , to safely start charging. Sparks may occur due to the voltage difference when attaching the connector to the charging port, but this is normal.
2. Open scooter charging port cover to connect the charger to the scooter.
3. Charging status indicator.
Red: Charging **Green:** Fully charged
4. If the charging indicator is green, the scooter is fully charged and can be disconnected.
5. It doesn't matter which charging port you plug the charger into.

CAUTION:

1. We recommend that you always use the original charger. Performance and safety may be compromised when using a different charger.
2. Charger failure may cause a fire while charging.
3. Do not leave your scooter charging unattended.
4. After unplugging the charger, charging connectors may be hot.

Battery Safety

1. Only use the original charger that was supplied with your product to charge the lithium-ion battery. The use of a third party charger could cause serious damage to the battery and can cause a fire.
2. To prevent overcharging, unplug the charger once the charger light indicates the battery is fully charged. Do not charge the scooter overnight. Instead, resume charging when you are available to unplug the charger once the battery is fully charged.
3. Do not leave the lithium-ion battery exposed to direct sunlight or high temperature. Do not store it in wet places. Always store it in dry places.
4. Charge lithium-ion batteries in dry, open, and well-ventilated places. Do not charge the battery near flammable goods.
5. In the winter, keep the scooter stored inside, away from extreme temperatures. Do not let the battery run flat. The scooter must have at least 20% charge on it at all time
6. If the battery protection circuit is damaged, the battery may emit an unusual smell. Contact your authorized service center immediately for technical support.
7. Do not reverse the polarity on a battery and short-circuit. Exposing the battery to excessive shock can result in an explosion of the battery.
8. Do not try stunts or jumps on the product on bumpy surfaces. Exposing a battery pack to excessive shock can result in a battery fire. If in an accident contact your service center to ensure that the battery is not compromised.

Battery Safety

9. Connecting the charger when the product is waterlogged will run the risk of an electric shock and possible fire. Do not charge the battery and contact your service center.
10. Do not disassemble or incinerate the lithium-ion battery. To safely dispose of the lithium-ion battery, label it as industrial waste and be careful of a short-circuit occurring in terminals.
11. If the battery requires replacement after long-term use, always replace it with one that is purchased from an authorized dealer.
12. Do not use the battery if it leaks or gives off an odor. Avoid charging the battery without proper care.
13. Depending on the model, riding conditions, and rider's weight, range will vary on a full charge. Please note that batteries operate optimally at around 25 degrees Celsius. In colder weather, it is normal for your scooter to experience a shorter than normal range on a full charge.
14. When the scooter needs to be stored for a long period of time, make sure the scooter has at least 40% charge at all times.
15. If a product with a lithium-ion battery overheats and there is smoke or ignition, you should stop charging or using it immediately. Move the product outdoors and use a fire extinguisher to diffuse it. Do not spray or immerse the product in water to diffuse the fire.

Product Specification

BATTERY	Battery capacity	15Ah (720Wh)
	Battery type	18650 Lithium battery
	Input voltage (V)	54.6V
	Rated voltage (V)	48V
	Approx Range	45km
	Foldable	YES
	Number of charging ports:	1
	Charging time	7 hours
	Working temperature	-10℃～40℃
	Storage temperature	-10℃～40℃
DIMENSION	Overall size (MM)	Length 1160 mm, Handle-bar width 570 mm, Height 1200 mm
	Size after folding (MM)	Length 1140 mm, Pedal width 220 mm, Height 470 mm
	Carton size (MM)	1225*220*600mm
WEIGHT	Max. Loading	265 LBS (120 KG)
	Scooter net weight	27 kg
USER	User age	Over 18 years
SPEED	Top speed (KM/H)	limited to 25Km/h
	Riding modes	Gear 1:
		Gear 2:
		Gear 3:
MOTOR	Grade Ability	30 degrees
	Motor type	DC brushless motor
	Motor rated power	800W
	Peak output power	Peak 1000W
	Controller	21Amp
CHARGER	Rated voltage	48V
	Rated power (W)	109.2W
	Input voltage (V)	100-240VAC
	Output voltage (V)	54.6V
OTHER FEATURES	Rated current	2A
	Scooter colour	Black+Yellow
	Wheel & Tire	Wheel size: Front 10 inch, Rear 10 inch
		Tire Type: Front tubeless tyre , Rear tubeless tyre
		Tire size:80/60-6
	Frame material	Aluminium alloy 6061
	Key-lock ignition	No
	Speed up	Thumb throttle
	Signal turn light	Yes
	Brake systems	Front Disc brake
		Rear Disc brake
		Motor: electric re-generative braking
	Front light	Available
	Brake light	Available
	Optional Accessories	

Safety Driving Attention

Get to know your your electric scooter before riding it.

Make your turns slowly and cautiously, and give yourself plenty of stopping distance. To gain control over your scooter, practice your first ride on your electric scooter in an open space with no obstacles.

The electric scooter requires a short adjustment/ break-in period to allow all moving parts to adjust into their correct position

Before each ride always:

1. Check your brakes function
2. Check the tyres for signs of wear
Make sure that the wheels are freely rotating clear of the brakes
3. Perform a visual inspection:
That all screws and nuts are tight
No evidence or signs of wear and tear

If you are unsure, bring your electric scooter to our authorized distributor

RIDING TECHNIQUE:

1. Before riding position your foot as close as possible to the front section of the scooter, and your other foot on the ground. Make sure that your driving route is clear
2. To start riding, Kickstart the scooter with your foot for a few metres before activating the motor



As you accelerate, lean forwards.
As you brake, tilt your weight backwards!



Riding, like most sports, involves risks of injury and damage. By choosing to ride our scooter the responsibility and all inherent risk is on you. It is crucial that you know, understand and act according to safety rules

Safety Driving Attention

Avoid putting body weight on the handle bars whilst accelerating and decelerating!

Keep one foot behind the other, (it's more comfortable to place one foot forward and the other one turned backwards at 70-90°, like on skate/surfboard. It will help you gain more stability

Turns - The turns on electric scooter are done as on skis/surf/snowboard. The handle-bar should be in parallel to the body.

Braking - Tilt your weight backwards so that the brake action will come through the feet and not through the handlebar and steering system. It is best to learn how to adjust the centre of gravity while stopping, otherwise there is a dual concern: forward tipping over and/or wear and breaking of the handlebar and steering system

Disclaimer:

1. The customer understands the risk of serious injury or death in the operation of such products and shall agree to take the necessary precautions and exercise good judgment to avoid hazards and dangerous situations which may result in serious injury or death.
2. The use of safety and protective gear such as bicycle helmets is strongly encouraged. And so is the use of good judgment.
3. The customer is advised to take the following precautions:
 - a. Do not ride on wet ground or in heavy rain;
 - b. Take corners slowly and look out for pedestrians;
 - c. Avoid potholes, curbs, and debris on the ground;
 - d. Keep tires pumped to the specified pressure;
 - e. Dismount in places with heavy human traffic and push the scooter manually;
 - f. Service the product every 3 months of regular usage, 6 months for non-frequent usage;
 - g. Do not use the product on public roads and respect local road regulations.

SERIAL NUMBERS

SERIAL NUMBERS:

Each G2 Scooter comes with a unique serial number.

These numbers provides information on the authenticity of the scooters and production dates.

To find your electric scooter serial number:

1. The number is on the backside of the board, for example as below:

Serial number: 03092221026622000



1 month or 100 Km Safety Check

Service Date: _____ Km: _____

Inspect

- o Folding and locking mechanism
- o Front and rear suspension
- o Brake lines
- o Steering mechanism
- o Brake disc / caliper
- o Tyre conditions and inflation pressure
- o Underbody condition
- o Griptape
- o Grips
- o Horn and lights

Test

- o Scooter tested

Replace

- o Worn axle / stripped bolts

Tighten

- o All bolts and nuts

Adjust

- o Brake cable
- o Brake caliper
- o Brake lever

Lubricate

- o Wheel bearings

Clean

- o Tyres and frame
- o Battery connection points

NOTES:

1000 Km or 6 months
Safety Check

Service Date: _____ Km: _____

Inspect

- o Folding and locking mechanism
- o Front and rear suspension
- o Brake lines
- o Steering mechanism
- o Brake disc / caliper
- o Tyre conditions and inflation pressure
- o Underbody condition
- o Griptape
- o Grips
- o Horn and lights

Test

- o Scooter tested

Replace

- o Worn axle / stripped bolts

Tighten

- o All bolts and nuts

Adjust

- o Brake cable
- o Brake caliper
- o Brake lever

Lubricate

- o Wheel bearings

Clean

- o Tyres and frame
- o Battery connection points

NOTES:

2000 Km or 12 months Safety Check

Service Date: _____ Km: _____

Inspect

- o Folding and locking mechanism
- o Front and rear suspension
- o Brake lines
- o Steering mechanism
- o Brake disc / caliper
- o Tyre conditions and inflation pressure
- o Underbody condition
- o Griptape
- o Grips
- o Horn and lights

Test

- o Scooter tested

Replace

- o Worn axle / stripped bolts

Tighten

- o All bolts and nuts

Adjust

- o Brake cable
- o Brake caliper
- o Brake lever

Lubricate

- o Wheel bearings

Clean

- o Tyres and frame
- o Battery connection points

NOTES:

3000 Km or 18 months
Safety Check

Service Date: _____ Km: _____

Inspect

- o Folding and locking mechanism
- o Front and rear suspension
- o Brake lines
- o Steering mechanism
- o Brake disc / caliper
- o Tyre conditions and inflation pressure
- o Underbody condition
- o Griptape
- o Grips
- o Horn and lights

Test

- o Scooter tested

Replace

- o Worn axle / stripped bolts

Tighten

- o All bolts and nuts

Adjust

- o Brake cable
- o Brake caliper
- o Brake lever

Lubricate

- o Wheel bearings

Clean

- o Tyres and frame
- o Battery connection points

NOTES:

4000 Km or 24 months Safety Check

Service Date: _____ Km: _____

Inspect

- o Folding and locking mechanism
- o Front and rear suspension
- o Brake lines
- o Steering mechanism
- o Brake disc / caliper
- o Tyre conditions and inflation pressure
- o Underbody condition
- o Griptape
- o Grips
- o Horn and lights

Test

- o Scooter tested

Replace

- o Worn axle / stripped bolts

Tighten

- o All bolts and nuts

Adjust

- o Brake cable
- o Brake caliper
- o Brake lever

Lubricate

- o Wheel bearings

Clean

- o Tyres and frame
- o Battery connection points

NOTES:

5000 Km or 30 months Safety Check

Service Date: _____ Km: _____

Inspect

- o Folding and locking mechanism
- o Front and rear suspension
- o Brake lines
- o Steering mechanism
- o Brake disc / caliper
- o Tyre conditions and inflation pressure
- o Underbody condition
- o Griptape
- o Grips
- o Horn and lights

Test

- o Scooter tested

Replace

- o Worn axle / stripped bolts

Tighten

- o All bolts and nuts

Adjust

- o Brake cable
- o Brake caliper
- o Brake lever

Lubricate

- o Wheel bearings

Clean

- o Tyres and frame
- o Battery connection points

NOTES:

6000 Km or 36 months Safety Check

Service Date: _____ Km: _____

Inspect

- o Folding and locking mechanism
- o Front and rear suspension
- o Brake lines
- o Steering mechanism
- o Brake disc / caliper
- o Tyre conditions and inflation pressure
- o Underbody condition
- o Griptape
- o Grips
- o Horn and lights

Test

- o Scooter tested

Replace

- o Worn axle / stripped bolts

Tighten

- o All bolts and nuts

Adjust

- o Brake cable
- o Brake caliper
- o Brake lever

Lubricate

- o Wheel bearings

Clean

- o Tyres and frame
- o Battery connection points

NOTES:
