

**INMOTION**

# E-Scooter Air

## User Manual

Before using your scooter, please read the instructions, and keep this manual for ready reference.

Original instructions

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## 1. Safety Instructions

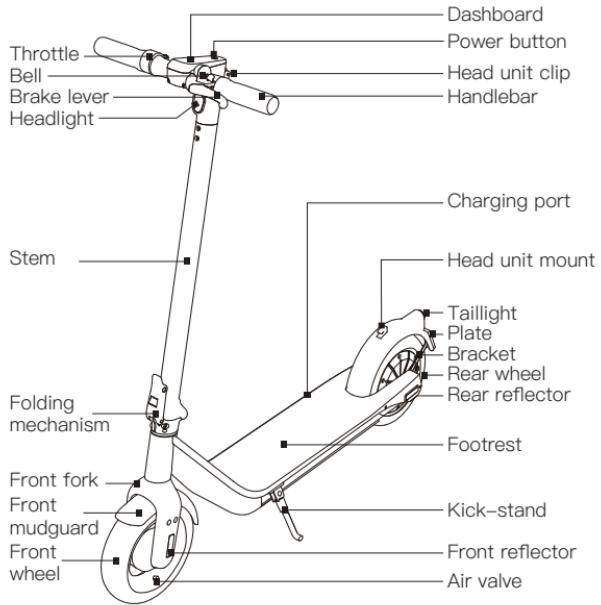
- Electric scooter is a recreational device rather than a transporter. But once you ride it into a public community, it will also act as a transporter. Like any riding products, an electric scooter can and is intended to move and it is therefore, of course, possible to get into dangerous situations.
- Please understand that you can reduce the risks by following all the instructions and warnings in this manual, but you cannot eliminate all the risks.
- Remember that whenever you ride the scooter you risk injury or death from loss of control, collisions, and falls. The electric scooter is intended for use on flat pavement or level ground without bumps and obstacles. Be alert and slow down when entering unfamiliar areas.
- Always wear a helmet when riding. Use an approved bicycle or scooter helmet that fits properly with the chin strap in place, and provides protection for the back of your head. A long-sleeved shirt, long pants, and athletic shoes are recommended. Never ride in high-heeled sandals, high-heeled shoes or barefooted. Long hair or bangs that can affect vision should be tied up to avoid accidents caused by hair blocking vision.
- Do not attempt your first ride in any area where you might encounter children, pedestrians, pets, vehicles, bicycles, or other obstacles and potential hazards.
- Respect the rights and property of others. Pass on the left whenever possible. When approaching a pedestrian from the front, stay to the right and slow down. Be careful to avoid pedestrians, especially the old, children, the disabled, pregnant women. When approaching from behind, announce yourself and slow down to walking speed when passing. Please obey local traffic laws and regulations if situation is different.
- In places without laws comply with the safety guidelines outlined in this manual. INMOTION Technologies Inc. will not be responsible for any property damage, personal injury/death, accidents, or legal disputes caused by violations of the safety instructions.
- Do not allow anyone to ride your scooter on his/her own unless they have carefully read this manual and followed the riding guide video. The safety of new riders is your responsibility. Assist new riders until they are comfortable with the basic operation of the scooter. Make sure each new rider wears a helmet and other protective gear.
- Before each ride check for loose fasteners and damaged components. If the scooter makes abnormal sounds or signals an alarm, immediately stop riding. Diagnose your scooter via the INMOTION App and contact after-sales service at [service@imscv.com](mailto:service@imscv.com).
- Be alert! Scan both far ahead and in front of your scooter – your eyes are your best tool for safely avoiding obstacles and low traction surfaces (including, but not limited to, wet ground, loose sand, loose gravel, and ice).
- To reduce risk of injury, you must read and follow all “CAUTION” and “WARNING” notices in this manual. Do not ride at an unsafe speed. Under no circumstance should you ride on roads with motor vehicles. The manufacturer recommends riders aged between 14–60 years old and weighed less than 120kg. People who should not ride the scooter include:
  - Anyone under the influence of alcohol or drugs.
  - Anyone who suffers from disease that puts them at risk if they engage in strenuous physical activity.
  - Persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
  - Anyone who has problems with balance or with motor skills that would interfere with their ability to maintain balance.
  - Anyone who is severely overweighted (see Specifications).

vi. Pregnant women.

Vii. Riders under the age of 18 years old should ride under adult supervision.

- Comply with local laws and regulations when riding this product. Do not ride where prohibited by local laws.
- To ride safely, you must be able to clearly see what is in front of you and you must be clearly visible to others.
- Do not ride your scooter in wet or icy weather, or on roads which are wet, muddy, icy, or that are slippery for any reason. Do not ride over obstacles such as sand, loose gravel, or sticks. Wet, slick, bumpy, uneven or rough surfaces may impair traction and contribute to a loss of balance or traction and could cause a fall.
- Do not ride at night when visibility is limited.
- Sudden acceleration or deceleration could lead to wheel slip, collision or falls.
- Do not ride faster than the speed limit.
- Do not attempt to charge your scooter if it, the charger, or the power outlet is wet.
- Only use the INMOTION supplied charger. Use only with FY-4202000 supply unit. Do not use a charger from any other different product models.
- Use only INMOTION approved parts and accessories. Do not modify your scooter. Modifications to your scooter could interfere with the operation of the scooter, could result in serious injury and/or damage, and could void the limited warranty.
- Children should not use scooter or play with scooter parts. Cleaning and maintenance shall not be done by children without supervision. The vehicle vibration will cause the driver's body vibration while riding.
- Please park on flat pavement, such as on a slope, the scooter kickstand must be facing downhill to prevent capsizing. Please check whether the scooter is parked stably to prevent it overturned.
- Perform regular inspections of equipment and conduct regular cleaning on your scooter for better ride experience.
- This scooter contains batteries that are not replaceable.
- Use any battery charger other than the original.
- detachable supply unit.
- Any load attached to the handlebar will affect the stability of the vehicle.
- Braking distances may be extended in wet weather.
- LPA and LWA: Do not exceed 70dB(A).
- In any case, anticipate your trajectory and your speed while respecting the code of the road, the code of the sidewalk and the most vulnerable.

## 2. Product Function Diagram



Please carefully check whether the items in the packing box are complete and intact. If there is any part missing or damaged, please contact dealer or email to manufacturer (service@imscv.com)  
Please retain the box and packaging materials at least 15 days in case you need to ship your scooter in the future.

### Dashboard

<b>ECO</b>	For energy saving mode	The max. speed is 15km/h, suitable for beginners
<b>D</b>	For dynamic mode	The max. speed is 25km/h, suitable for general riders
<b>S</b>	For sports mode	The max. speed is 25km/h, suitable for skilled riders
	Speedometer	Shows the speed of the scooter in real time, the speed will be shown as two short lines when the vehicle is locked
	Battery level	The battery level is indicated by 5 bars, the last bar flashing indicates a low-battery level
	Light icon	The icon lights up after the electric scooter has been turned on, and it will go out after the vehicle is turned off
	Cruise mode	Cruise mode is activated automatically when the same speed is maintained. Press the brake or the throttle to go back to the manual mode.
	Pedestrian mode	Hold the brake and double press the Power button to enter Pedestrian Mode, then double click the Power button again to exit. (Note: Riding speed can be adjusted in the App. The max. speed limit is 6km/h.)
	Error	The icon indicates that the scooter has detected an error. Refer to the error code table to find solutions
	Power button	Press and hold the button for 2 seconds to turn the electric scooter on/off. When the scooter is on, press the button to turn the headlight on/off, and press twice to switch modes

### Packing list



User Manual

### 3. Safety Alerts & Error Messages

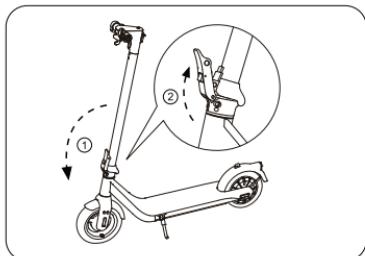
Error code	Error	Solution	Components
01	Controller error	Controller error, please restart the vehicle or contact after-sales service for replacement	Controller
02	Hall error	Motor error, contact after-sales service for motor replacement	Motor
03	Battery error	Battery error, contact after-sales service for battery replacement	Battery
04	Battery low voltage	The battery voltage is low, please charge now	Battery
05	Battery low voltage	The battery voltage is too high, please stop using and contact after-sales service for support	Battery
06	Brake self-test failure	The brake handlebar is unreleased. Release the brake handlebar or check condition of the throttle	Brake lever
07	Throttle power-on self-test failure	The throttle is unreleased. Release the brake handlebar or check the condition of the throttle	Throttle
08	/	/	/
09	Dashboard communication error	Please restart the vehicle or contact after-sales service for replacement	Dashboard
10	Controller communication error	Please restart the vehicle or contact after-sales service for replacement	Controller
11	Mos overheating	Controller board overheating, stop riding and wait for it to cool down	Controller
12	Motor overheating	Controller board overheating, stop riding and wait for it to cool down	Motor

Scenario	Beep alert
Long press to power on	2 beeps
Long press to power off	1 beep
Enter cruise mode	2 beeps
Double click to switch modes	1 beep
Vehicle failure	Keep beeping
App setrings	1 beep
Battery drops below 20%	Keep beeping for 5 seconds
Battery level below 20% when power on	Keep beeping for 5 seconds
Press to light on/off	1 beep
App connected/disconnected	1 beep

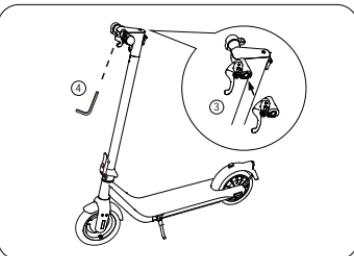
## 4. Assembly



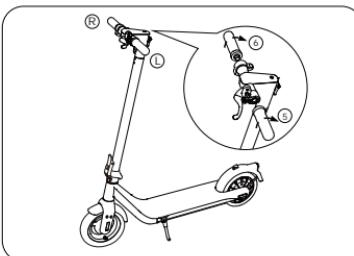
To avoid personal injury, please follow the instructions shown in the diagram for assembly operation and inspection. Children are not allowed to conduct assembly operations.



Unfold the stem and fasten the folding wrench. Make sure the Unlock key springs up normally after fastening. Be sure to buckle up properly.



Place the brake lever on the handlebar, tighten it firmly with hex wrench to be sure it won't loosen.

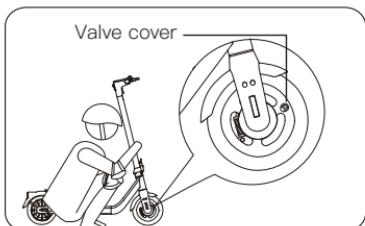


Install the handles on the stem and firmly tighten it according to the correct position and direction marked on the label.

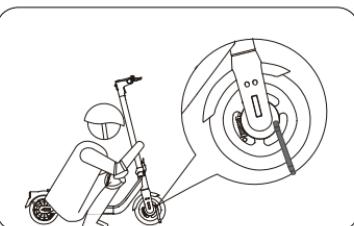
### Inflating the tires

For better riding experience, always check the tire pressure before each ride. Please inflate in time if the tires of the device are deflated. The ideal pressure ranges between 2.5 and 3.5 bar.

Note: The range and riding experience are related to the tire pressures. When the tire pressure is within normal range, the higher the tire pressure is, the longer the range will get. While the lower the tire pressure is, the better the riding experience will have especially on bumpy road. Choose proper tire pressure according to specific usage scenarios.



Unscrew the air valve caps of tire.



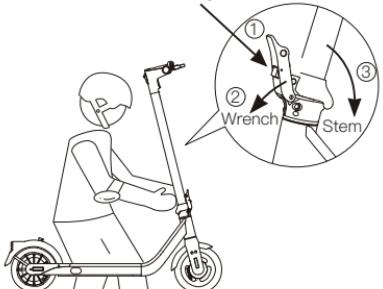
Thread the valve extender completely onto the valve stem and tighten it firmly.



Attach the air pump, then inflate the tire to the proper pressure.

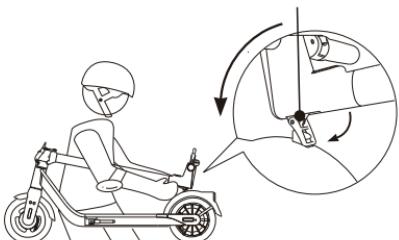
## 5. Folding and Carrying

Press the locking button

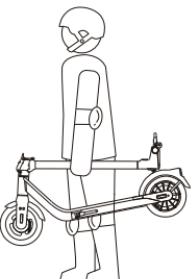


Power off the scooter, hold the stem, press the locking button and pull the lever, bend the handlebar stem towards the footrest.

Press down the folding ring



Hold the stem and pull the folding ring, attach the hook to the locking clip on the side of the mudguard.



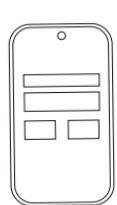
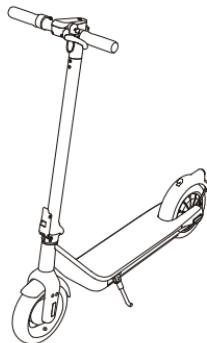
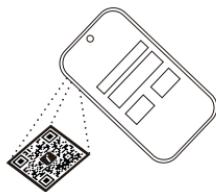
Carry the scooter by holding the handlebar stem. Watch out for bumps!

## 6. First Ride



There are safety risks when using scooters. Before the initial use, users must carefully read the safe driving guide through the APP. For safety consideration, the new scooter is not activated, it will be restricted to ECO mode which has a speed limit of 15km/h. You need to activate the scooter through the App to unlock full function.

(QR code)

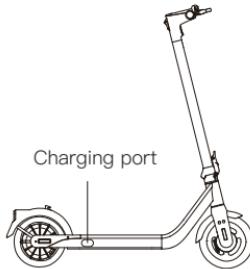


1. Download and install the App, register/login your account.

2. Power on the scooter, pair your scooter with the INMOTION App. The scooter will beep when the connection is successful.

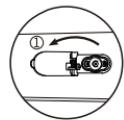
3. Follow the App instructions to active the scooter and learn how to ride safely. You can now start to use your scooter.

## 7. Charging

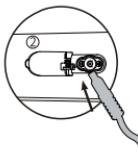


Charging port

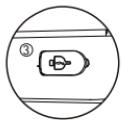
Charger indicator light: Red (charging) Green (charged)



Open the rubber cap



Inset the battery charger plug



Remove the battery charger and close the rubber cap when charging finished

### WARNING

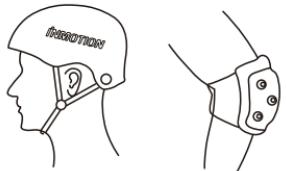


- Do not charge if the charge port or power cord is wet.
- Use only with the original charger, do not use battery packs of other models or brands.
- Do not charge or stop using the battery immediately if it is damaged or flooded.
- Please close charging port cover tightly when not in use or after charging.
- Never charge indoors.

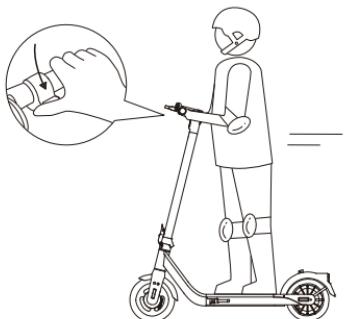
### Charging precautions

- Do not charge the electric scooter in wet environment.
- The best ambient temperature for charging is 0–45°C.
- Keep out of reach of children and animals, keep away from flammable materials while charging.
- Do not store the electric scooter in environments with a temperature ranging from -20 to 45°C. Do not put the battery pack into the fire. Doing so may cause fire, heat generation, leakage or bursting.
- After each use, fully recharge the battery to extend its useful life. Completely draining the battery may permanently damage the battery.
- Do not charge or use the battery if it smells, overheats or leaks.
- Do not open the battery pack or insert anything into the charging port as it contains hazardous substances.
- Please only use the original battery and adapter for your scooter.
- Always comply with local environmental protection laws about battery recycling.

## 8. Learning to Ride

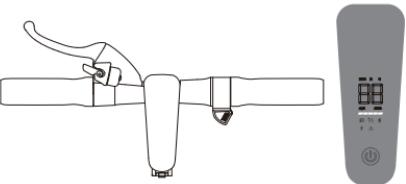


**⚠** Wear an approved helmet, elbow pads, knee pads and other protective gear to minimize any possible injury.

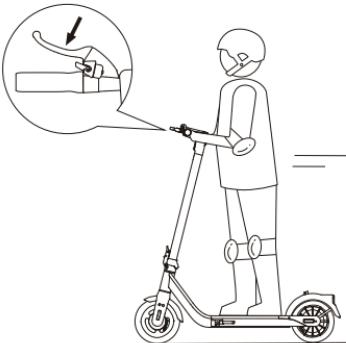


3. Stand on the footrest with both feet, press the throttle on the right hand.  
Note: For your safety, the motor will not engage until the scooter reaches 3 km/h.

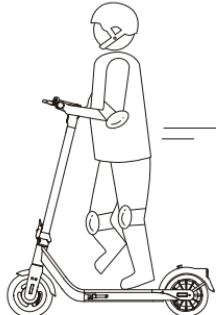
**⚠** When hard braking, you risk serious injury due to loss of traction and falls. Maintain a moderate speed and look out for potential hazards.



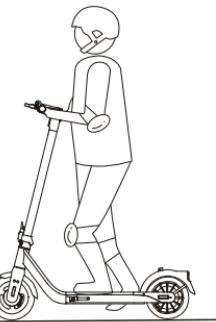
1. Check the power level indicator after powering on. Charge the scooter if the battery level is low.



4. Slow down by releasing the throttle and hold the braking lever lightly (Do not brake suddenly and watch out for the road conditions!)



2. Stand on the footrest with one foot and push off with another foot to start gliding.



5. When the car stops or slides slowly, put down one foot and get off.

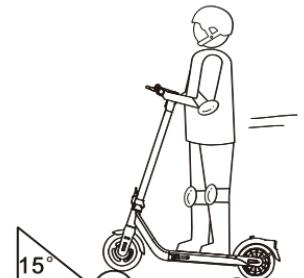
## 9. Security Tips



Failure to follow these instructions could lead to serious injury.



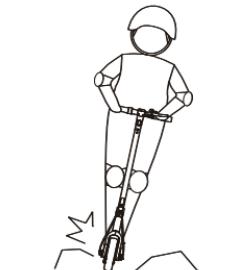
- ⊗ Do not ride the scooter in the rain.



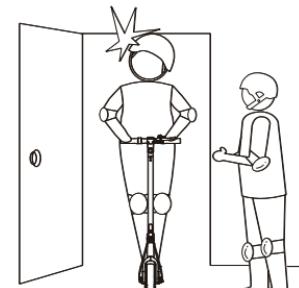
- ⊗ Do not ride at high speed when you get over speed bumps, thresholds etc., please ride at low speed on rough roads.



- ⊗ Do not press the throttle when walking with the scooter.



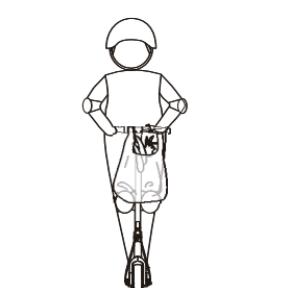
- ⊗ Avoid contacting obstacles and watch out for the road conditions.



- ⊗ Watch your head when passing through doorways.



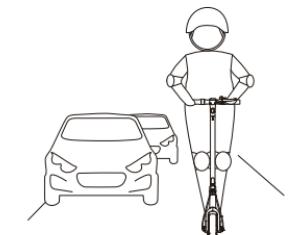
- ⊗ Do not step on the rear fender



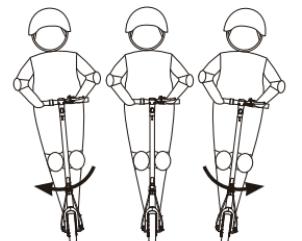
- ⊗ Do not carry heavy objects on the handlebar.



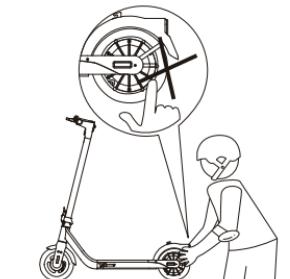
- ⊗ Do not ride the scooter with only one foot or one hand.



- ✓ Do not ride on motorways, public roads, or highways.



- ✗ Do not rotate the handle violently while driving at high speed.



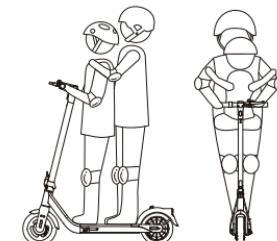
- ✗ Do not touch the motor, it may overheat after running.



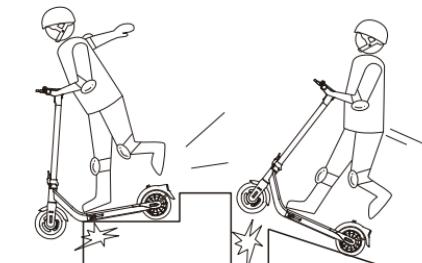
- ✗ Do not take your hands off the handlebar while riding.



- ✓ Do not ride through puddles, please go around at low speed.



- ✗ The scooter is for one rider only. Do not carry any passengers especially a child. Do not ride when pregnant.



- ✗ Do not ride up and down stairs or jump over obstacles.



- ✗ Do not use mobile phone or wear earphones when riding the scooter.

## 10. Specifications

Index	Items	Value
Basic specs	Model	C1
	Unfold dimensions (L x W x H)	44.3"×17.5"×20.5" (1125×445×1200mm)
	Folded dimensions (L x W x H)	44.3"×17.5"×47.2" (1125×445×520mm)
	Net weight	34.6lbs (15.7kg)
Rider	Max. payload	264.6lbs (120kg)
	Recommended age	14–60
Machine parameters	Max. speed	US Version: 19mph (30km/h)/EU Version: 16mph (25km/h)
	Typical range <sup>[1]</sup>	Approx. 22miles (35km)
	Max. slope <sup>[2]</sup>	Approx. 18%
	Operating temperature	−10°C – +40°C
	Storage temperature	−20°C – +45°C
	IP rating	IP55
	Charging time	Approx. 4.5h

Battery	Max. charging voltage	42V
	Nominal capacity	270Wh
	Battery management system	Over-heating, short circuit, over-current and over-charge protection
Motor parameters	Peak power	720W
	Nominal power	350W
Charger	Input voltage	AC100–240V 50/60HZ
	Output voltage	DC42V
	Output current	2A
Features	Front / Rear tire size	10 inch, inflatable inner and outer tire with lower rolling resistance
	Tire pressure	2.5–3.5 bar
	Headlight power	2.0W
	Brake light power	0.8W

[1] Typical range test is based on a 75.0 kg load at a 25°C temperature with tire pressure of 3.5 bar, riding 15 km/h at a constant speed on a flat road test. The actual range may vary depending on the speed, times of start and stop as well as ambient temperature, etc.

[2] Max. slope test is based on a 75.0 kg load at a 25°C temperature with tire pressure of 3.5 bar, riding at 15 km/h. The actual slope may vary depending on the battery level, payload, tire pressure, etc.

## 11. Maintenance

### Cleaning

Wipe the body of the electric scooter with a damp cloth. If stains persist, apply some toothpaste, brush with a toothbrush, then wipe with a damp cloth.

### Note

When cleaning the electric scooter, make sure that it is turned off, that the charging cable is disconnected, and the rubber cap is closed, as a water leak may cause a damage to electronic components.

Do not clean the electric scooter with alcohol, petrol, kerosene or other corrosive and volatile chemical solvents, to avoid serious damage. Do not wash the electric scooter with jets of high pressure water.

### Storage

When the electric scooter is not in use, store it in a cool, dry place. Do not store it outdoors for extended periods of time.

### Note

Excessive sunlight, overheating, and excessive cold accelerate tire ageing and jeopardize the life of both the electric scooter and the battery.

### ⚠ Warnings

- Only use original batteries, as other models or brands may pose a safety risk.
- Please do not exceed the specified temperature for battery storage or charging. (See specifications)
- Do not touch the battery contacts. Do not dismantle or puncture the outer casing. Avoid contact between metal objects and battery terminals to prevent short circuits, physical harm or death.
- Do not throw the battery into a fire as this could damage it, cause overheating or even a fire.
- Do not charge or stop using the battery if it is damaged or flooded.
- Do not attempt to remove the battery as you may damage the scooter.
- Do not attempt to disassemble the battery to prevent fire hazards. Users are now not allowed to repair spare parts and components come with the scooter.
- Do not ride when the ambient temperature is higher than the operating temperature of scooter (see Specifications) because low/high temperature will limit the maximum power/torque. Doing so could cause personal injury or property damage due to slips or falls.
- After each use, fully recharge the battery to extend its service life. Completely draining the battery may permanently damage the battery.
- Improper disposal of used batteries seriously pollutes the environment. Follow local regulations regarding battery disposal. Follow battery disposal regulations to protect the environment.

Typically, a fully charged battery should retain power for 120–180 days. A low-power battery should retain power for 30–60 days. Remember to recharge it every 60 days to protect it from any damage. Electronics inside the battery record the charge–discharge condition of the battery, damage caused by over-charging or under-charging will not be covered by the limited warranty.

A well-maintained battery can perform well even after many miles of riding. When used at room temperature 22°C, the battery range and performance is at its best; whereas using it at low temperatures can decrease range and performance. Battery range will recover when temperature rises.

## 12. Before Your Ride

1. Read the product instructions carefully and do not attempt to ride the scooter if you cannot follow the instructions completely.
2. Please do not allow others to use your scooter without carefully reading this instruction or knowing how to use this product and safety precautions.
3. All parts of the scooter must be properly installed in accordance with the instructions. Improper installation may result in the risk of loss of control, collision or fall. Before installation or maintenance, please power the scooter off, install the components with proper strength. Too loose or too tight installation may cause damage or failure of the products.
4. Please purchase insurance in time after purchasing the product to minimize the risk.
5. Before each ride, please check all vehicle components are in place and securely fastened, the performance of wheels, the battery level, running condition, etc., to ensure any parts including the handlebar, stem, tires, brakes, screw are not loose or damaged, and the vehicle is in good condition for riding. If you've noticed anything unusual, please stop using immediately and contact after-sales service for technical support.
6. You are obligated to be aware of all laws, regulations and policies of scooter riding in your area and to strictly comply with the applicable laws, regulations and policies.

## 13. Trademarks and Legal Notices

INMOTION is a registered trademark of INMOTION Technologies Inc.; Android, Google Play are trademarks of Google Inc., App Store is a service mark of Apple Inc., The respective owners reserve the rights of their trademarks referred to in this manual.

We have attempted to include descriptions and instructions for all the functions of the scooter at the time of printing. However, due to constant improvement of product features and changes of design, your scooter may differ slightly from the one shown in this document. The manufacturer reserves the right to change the design and functionality of the scooter product and documentation without prior notice.

All rights reserved by INMOTION TECHNOLOGIES CO., Ltd.

Manufacturer: INMOTION TECHNOLOGIES CO., LTD.

Address: 18F, B1, Nanshan i Park, No.1001 Xueyuan Ave., Nanshan District, Shenzhen, China. 518055

## 14. Warranty

Thank you for purchasing INMOTION products. For warranty policy, please consult your purchasing point. In case of any assistance needed, you can email to us: service@imscv.com.

For users purchased from Amazon USA, customer assistance at AmazonService@imscv.com

More information, please visit INMOTION official website: [www.inmotionworld.com](http://www.inmotionworld.com).



## FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Radiation Exposure Statement This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.



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Version: V1.0

Customer Service Center: [Service@imscv.com](mailto:Service@imscv.com)