

INMOTION SCV V3

INSTRUCTIONS MANUAL



1. Overview

1.1. About This Manual

For your safety, please read this Manual carefully before you ride an **INMOTION unicycle**. Please also watch the instruction video carefully in order to get the correct instruction for riding the **INMOTION unicycle**.

To help you to better enjoy riding the **INMOTION unicycle**, read and understand all the safety warnings and instructions listed in this Manual.

This Manual is applicable to the **unicycle series** produced by Shenzhen INMOTION Technology Co., Ltd.

Should you have any questions, or should there be any information that you cannot obtain from this Manual, please feel free to contact the INMOTION headquarters in your country.

1.2. Documents and Materials

You can access and download all the Help materials, including the Manual in .pdf format, the Safety Instruction Video, and the app for mobile devices from the official website of INMOTION Technology Co., Ltd.: **www.imscv.com**.

1.3. Conventions

The following conventions are used throughout this manual:

 WARNING!	Warns you about actions that may result in personal injury.
 CAUTION!	Cautions you about actions that may result in operational issues or physical damage to the INMOTION SCV.
 NOTE:	Identifies important points, helpful hints, special circumstances, or alternative methods.

2. Safety Instruction of the Product

INMOTION unicycle is a product that is equipped with front and rear automatic self-balancing functions, and left and right manual balancing, which combine fun and balance. To avoid risks of danger, follow the instructions of this Manual. Physical harm or death may be caused due to falling, losing control, or collision should you not follow the instructions of this Manual. Please read this Manual carefully, watch the safety videos, and follow the instructions below in order to avoid risk and potential harm: Please wear helmet and other protection garments when riding the INMOTION unicycle;

- Do not ride the INMOTION unicycle on slopes slanting more than 20 degrees, and do not speed up or suddenly halt;
- Be careful when the road surface is slippery and when there is obstacles;
- Do not ride the INMOTION unicycle on grasslands or gravel road;
- Do not ride the INMOTION unicycle on treading water deeper than 170cm;
- Do not ride the INMOTION unicycle downstairs or upstairs;
- Do not ride the INMOTION unicycle on automotive roads;
- Do not soak the INMOTION unicycle in water;
- Do not ride the INMOTION unicycle at a speed higher than 20km/h (12mph);
- If the pedals tilt upwards, do not continue to accelerate and reduce speed immediately;
- Do not sit on the handle of the unicycle;
- Assistance is recommended for all beginners with special attention to individuals younger than 18 or older than 45;
- Ensure the battery is full and the tire is inflated in the normal condition;
- Please speed up slowly and do not ride too fast before getting familiar with riding the unicycle;
- Due to the unique features of lithium battery, customers should charge the battery at least once a month. If damage is done due to irregular maintenance of the battery, it is not included in the scope of the manufacturer's warranty.

3. General Introduction

INMOTION unicycle is a high-tech human transporter and entertainment vehicle that combines fashion, fun and usefulness all-in-one. It employs dynamic balancing, and uses its interior gyroscope and acceleration transducer to detect any change of the unicycle. With a servo-control system to adjust itself by accurately controlling the motor, it keeps the system balanced. The user may control the unicycle to move forward, speed up, slow down, or brake by leaning forward and backward, and keep balance side-to-side by twisting his or her body.

INMOTION unicycle is equipped with pull-up handle, smart shifting light, swiping switches, swiping charging switch and high definition Bluetooth speaker. It is safe, easy to carry, and a solution for short-distance transportation.

3.1. Product Serial Number

The product serial number, a 16-digit sequence of characters with a one-dimension barcode, is the only identification of the product for quality tracking, post-sale services, insurance claim, and loss confirmation. Please keep the serial number on hand.

You can obtain the product serial number from the following places: the external packaging of the product, the warranty card of the product, and the main body of INMOTION unicycle (it is on the angular area of the upper surface of the unicycle when the handle is pulled up).

3.1.1. Packing List/Box Check

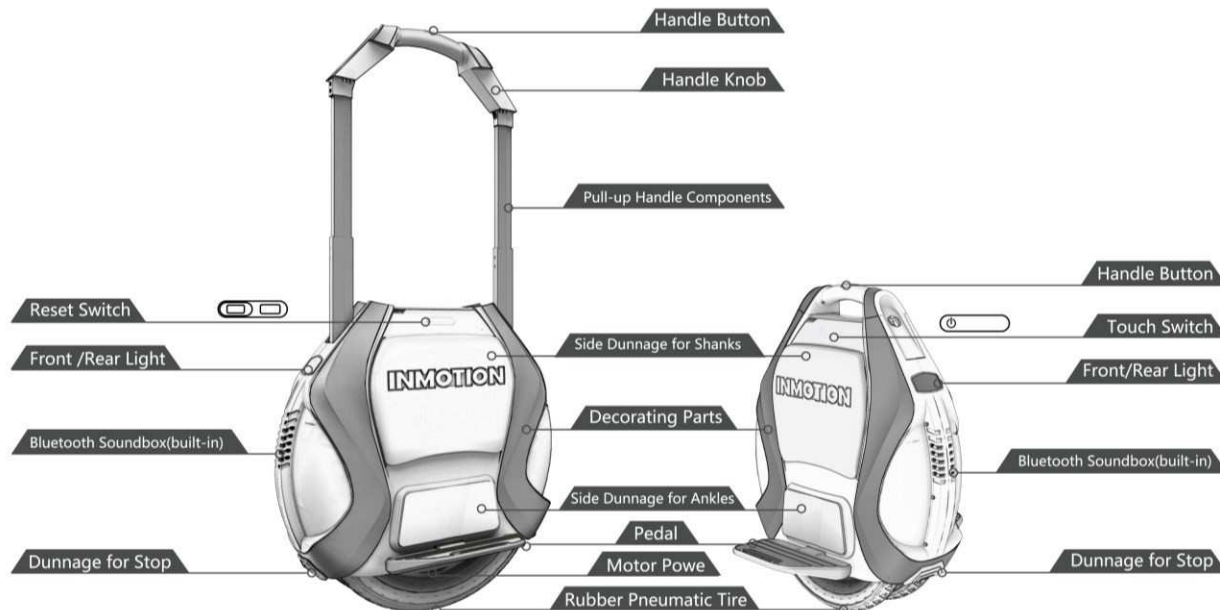
The INMOTION unicycle package includes the following components. Please check when opening the box and consult the reseller in case of missing components.

The main body of the unicycle, adapter, product manual, warranty card, and Approved Certificate for Product.

WARNING!

◆Do not disassemble or modify INMOTION unicycle without permission, otherwise, it may result in irreparable damages and harm to humanbody.

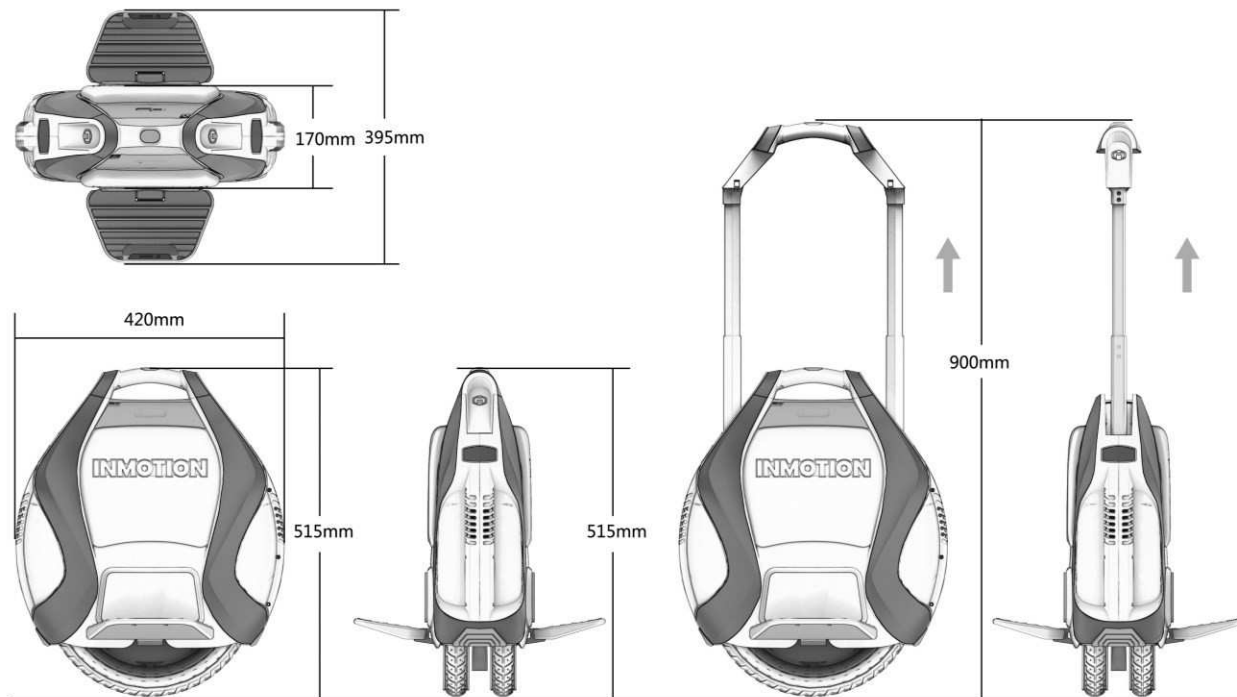
3.1. Components



3.2. ProductParameters

Item	Specification	Note
Item Type	INMOTIONSCVV3	①This speed is measured under the condition of 75kg of weight. ②The maximum mileage is measured under the condition of 25°C and 75 Kg of payload on flat road. The mileage may vary under different conditions of riding habits, temperature, road condition, and payloads. Mileage may also vary due to different types and batteries. ③The waterproof and dust resistance level is IP 55, which means the unicycle functions well when treading water no deeper than 170mm.
Maximum Cruising Speed	18 Km/h (11.2 mph) ①	
Maximum Mileage	20~25 Km (12.5-15.5 miles) ②	
Maximum Climbing Angle	18°	
Net Weight	13.3~13.8Kg (29.3 lbs.-30.4 lbs.)	
Payload Weight	120Kg (265 lbs.)	
Whole Product Size	420*515*178 mm	
Battery	72V 2Ah Lithium Batter	
Charge Requirement	AC220V 50~60Hz	
Charging Time	About 1.5 hours	
Tires	14inch Inflatable Tire	
Best Riding Temperature	-10~40°C(14-104°F)	
Waterproof Level	IP55③	

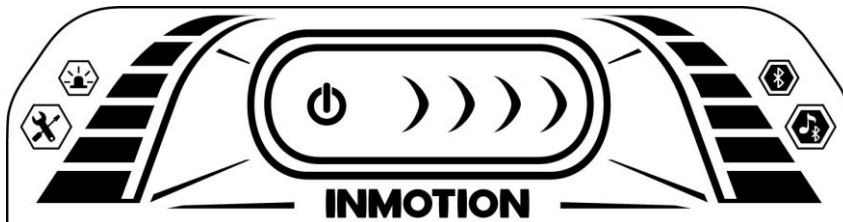
3.3. Product Size Plan



4. Product Functions

4.1. Interactive Panel

The interactive panel is the LED display interface that indicates the working condition of the unicycle on the main body.



Icon	Description	Icon	Description
	Light Icon: indicates the light is on		Fault Icon, indicates that something is wrong and Unicycle must be reset
	Bluetooth Connection, constant light on indicates Bluetooth connection and ready for use with smart phone app.		Icon for Bluetooth speaker, constant light on indicates Bluetooth connection and ready to stream music
	Power Icon: please swipe finger indirection indicated by the arrows		
 NOTE:	Battery display, 6 bars, simultaneous display on both sides, flashing icon indicates need for charging		

4.2. Light

There are LED lights on the front and the rear of the unicycle, which are used for lighting and warning. As there is no absolute sense of direction for INMOTION unicycle, the unicycle switches the front and rear light automatically according to the direction the vehicle is moving in order to make sure the front is the front headlight, and the rear is the red warning light.

To power on, slowly swipe your finger from the right to the left on the interactive panel (shown as the picture in the right), and the icon for light on the panel will be on and both lights will illuminate. Try to push the unicycle or ride on it, and the front light will automatically change to the front headlight, and the rear light will be switched to red warning light. The user can control the front light to be permanently on, or to shut off the front and rear lights through the smart phone app on a mobile device.



4.3. Data Bluetooth and Music Bluetooth

The INMOTION unicycle is equipped with data Bluetooth 4.0 BLE plug and an interface for music Bluetooth 3.0. The user can use the former to connect the Bluetooth loudspeaker on the unicycle, or use the latter to communicate with the app on a mobile device.

When the unicycle is powered on, turn on the Bluetooth of your mobile device, search and connect with the Bluetooth module of the unicycle, and when the Music Bluetooth icon is on (shown in the figure above), you can enjoy the music on your

mobile device by playing it on the unicycle's built-in speaker.

The preset name of the INMOTION unicycle V3 music Bluetooth is: V3-XXXXXXXXAudio, among which, XXXXXXXX is a random value. You can connect directly when the name of the device shows up.

The preset name of the INMOTION unicycle Bluetooth 4.0 BLE is: V3-XXXXXXXX, among which, XXXXXXXX is the same as the music Bluetooth. The initial Bluetooth password is 000000. Only by entering the right Bluetooth password can you pair up with and use your app on a mobile device to

control INMOTION unicycle.(Modification of the Bluetooth password is controlled by user permission. Only validated user can change the password of the unicycle.)

After passing the validation for users, click and enter the interface of “Condition of the Vehicle” on the mobile device app, choose “Change Password” to set the password for Bluetooth.



4.4. Voice Prompt

There are two interior loudspeakers on INMOTION unicycles that can give prompts in different working modes and conditions. Initially, the language for voice prompts is in English, which can be changed and redefined by using the mobile device app according to different events and conditions. You can also use the app to change the content and language of the voice prompts, or switch them off. Please refer to the help document on the app for more information. The initial events of the voice prompts are listed as follows:

Description	Content of Language	Description	Content of Language
Power-on	Sound-dongdongdong	Sleep	Sound- wu
Lock	Sound-budong	Unlock	Sound- bugu
Battery Low	Low battery Sound- Low battery	Charging	Sound-budong
Charging Completed	Sound- waterdrop	Overload, Please Get Off	Sound-Overload , please get off
Light	Sound-budong	Light Off	Sound- bugu
Please Slow Down	Sound- bibi	Power Off	Sound- dadada
Please Send for Repair	Sound-Please repair	Locked, Please Do Not Move It	Sound- wongwong, Please don't move
Data Bluetooth Connected	Sound- budong	Data Bluetooth Disconnected	Sound- bugu
Music Bluetooth Connected	Sound- budong	Music Bluetooth Disconnected	Sound- bugu
Please be Careful	Sound- Be careful		

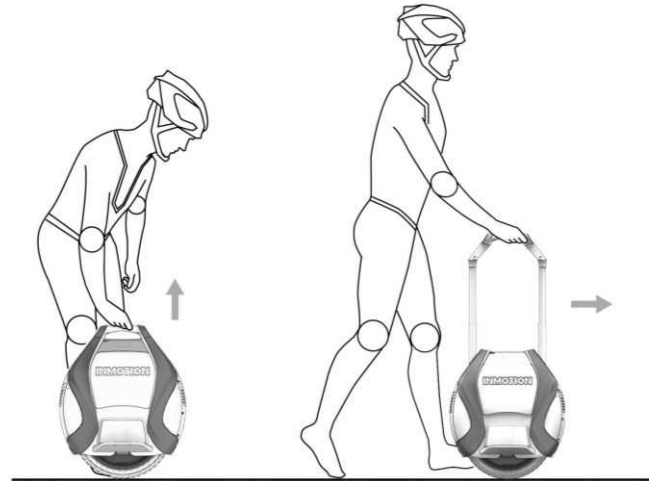
4.5. Pull-up Handle and Energy-Saving Mode

The function of the energy-saving mode can be used when people do not feel like riding, or when the condition is not suitable for riding (such as steep slopes, slippery roads, sand, bumpy roads and crowded environments). In the energy-saving mode, the system will provide a low-power assisted force

According to the users pulling force.

Press the button on the top of the INMOTION unicycle and pull up the handle, just like pulling out the handle of a suitcase. This is the unique design of the INMOTION unicycle for unsuitable environment. When the handle is pulled up and the unicycle is pushed forward, the unicycle will switch automatically to energy-saving mode.

The unique pull-up handle design and the energy-saving mode of the INMOTION unicycle will make it easy to have the INMOTION unicycle in all scenarios whether riding or pushing the unicycle.



4.6. App for Mobile Devices

The mobile device app is a specially-designed app for INMOTION unicycle users. It controls the unicycle, connects users with their INMOTION friends, publishes user experiences, and allows users to participate in INMOTION activities and buy

INMOTION accessories. The name for the app is INMOTION.

You can download the app from our official website or relevant App Stores (IOS system: Apple App Store; Android System: Google Play)

The following functions are achieved by the app:

- Basic control of the unicycle settings: power on, power off, lock, unlock.
- Unicycle status display: display of speed, mileage, and battery status.
- Unicycle configuration setting: set the sound volume, protection speed, and sensitivity of the pedals.
- Sensitivity of the pedals: Different user experiences provided by adjusting the sensitivity of the pedals.
- Music customization: customize the voice tips of the unicycle.
- Fault inspection: assess and evaluate the health status of the INMOTION unicycle.
- Post-sale services: by using the app, customers can easily communicate with our service personnel for any post-sale problems.
- Hardware upgrades: to detect any newly released hardware for the unicycle and to upgrade the unicycle online.

My way: check the new route of the unicycle by using GPS.

For more detailed introduction of the app, please refer to the app itself, the help document, or download the instruction of the latest app from the INMOTION official website.

 NOTE:

- The INMOTION unicycle connects with mobile devices via Bluetooth 4.0 BLE which is applicable to Android 4.3 or later versions, iPhone 4s and above, iOS 7.0 and other new version of the system.

5. Riding the INMOTION Unicycle

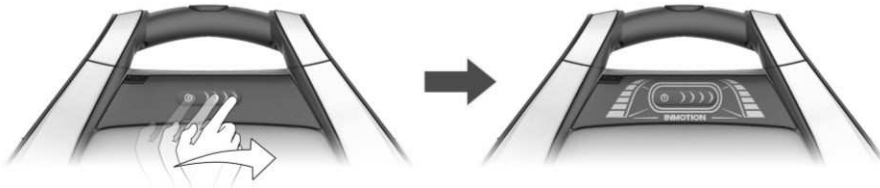
5.1. Preparation

The **INMOTION unicycle** is a high-tech instrument for human transportation. In order to avoid bodily harm, ensure that you understand instructions completely before riding the INMOTION unicycle. The following is a guide for beginners, especially first time users of the **INMOTION unicycle**, on how to correctly ride the unicycle. There are some important safety instructions that must be read before using the unicycle for the first time.

- Please check if all the components of the **INMOTION unicycle** are fixed in place and without any damage before riding it;
- Please continuously charge **INMOTION unicycle** for at least 1.5 hours before riding it.
- Please find an indoor or outdoor flat area of no smaller than 4m x 4m (13ft x 13ft) to practice.
- Please make sure you know the surrounding environment very well, and ensure there is no interference from cars, pedestrians, pets, bicycles, cracks, bumps or any other obstacles.
- Please ask a well-trained assistant to be by your side during practice. This assistant should be familiar with all the instructions and riding methods for the **INMOTION unicycles** in this Manual.
- Please do not ride the unicycle on smooth and slippery ground.
- Please wear comfortable clothes or sporting clothes and flat shoes when riding the **INMOTION unicycle**. Please warm up and keep your body flexible when riding the unicycle.
- Please wear a helmet and necessary protection gear to avoid injury.

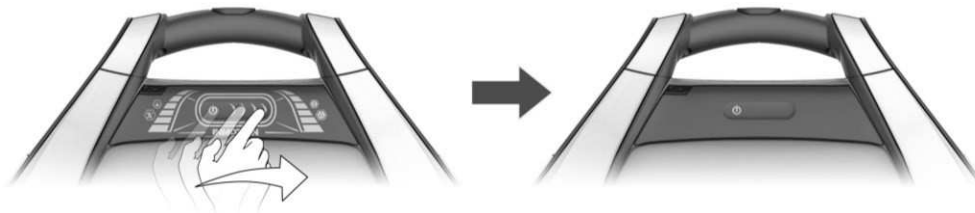
5.2. Power on

Put your finger on the power icon of the touch panel. As a lighting arrow shows up and keeps rolling, slowly swipe the panel in the direction of the arrow and make sure your finger is touching the panel as you turn on the unicycle. The interactive panel is shown below. The unicycle cannot be switched on when the battery is too low. There will be a voice prompt of “Low Battery”.



5.3. Sleep and Power Off

When the unicycle is on, put your finger on the power icon of the interactive panel. As the running arrow shows, swipe your finger along with the arrow direction until you hear the voice “sleep”, which indicates the unicycle is in the sleep mode. There will also be a blinking light on the interactive panel (shown below). After 30 minutes in sleep mode, the unicycle will power off automatically and there will be no sign on the panel. If you need to power off immediately, please press the end of the arrow for more than five seconds to power off. If the battery is below 10%, the movement to switch the unicycle into sleep mode will directly power off the unicycle.

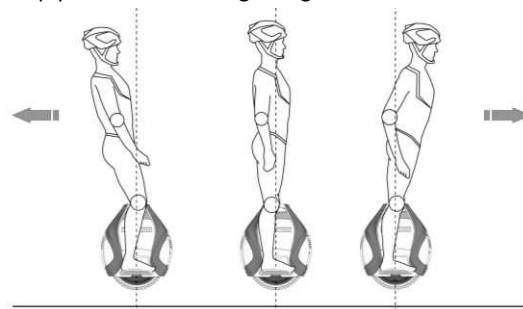
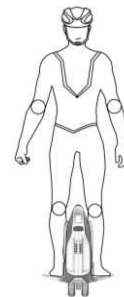


NOTE:

● If the touch button malfunctions, or if it cannot be shut down in an emergency, please tilt your unicycle twice within three seconds until you hear the sound “Be Careful” as the unicycle shuts down automatically.

5.4. Steps for Beginners

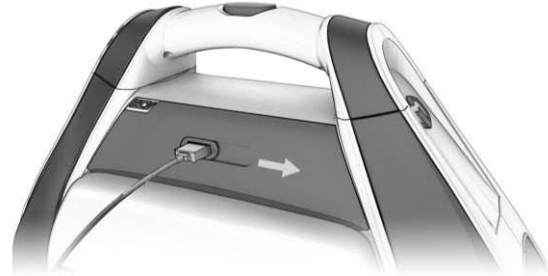
- Turn on the unicycle and use one hand to hold the unicycle. Make sure the unicycle stays vertical to the ground.
- Open the pedals on both sides, and position both legs next to the pedals in parallel position on both sides of the unicycle. Put your left foot or right foot (depending on personal preference) on one side of the pedal, and make sure you step on the center of the pedal.
- Keep your upper body upright with your eyes looking straight ahead, just like you are standing on flat ground. Slowly shift your center of gravity over the opposite pedal, and lift your foot from the ground to that pedal. Find your balance until you can stand on one foot on the pedal with your legs upright for a short time.
- Relax your calves and use both feet to stand on the pedals in order to keep your balance during riding. Some minimal momentum will help you keep your balance while learning to ride the unicycle.
- It is very common that you might lose your balance momentarily and fall to the side. Therefore, please ask a friend to hold you to get used to the unicycle or use the wall or railings to keep your balance during practice.
- After you familiarize yourself with how to keep your balance on the unicycle, you can adjust the center of gravity (by leaning) or control your feet



to change the direction when you move forward (as shown in the diagram).

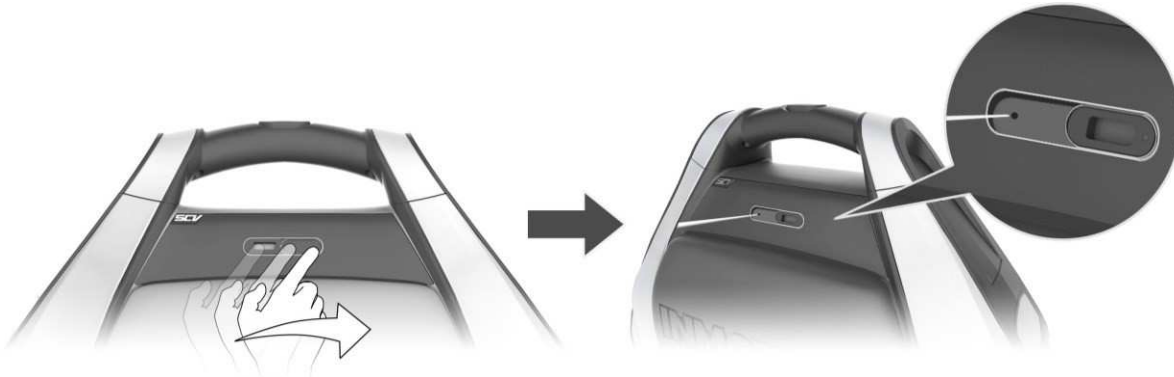
5.5. Charge

Plug the adapter into the rectangular socket on the unicycle (as shown in the picture). This socket can be found by sliding the socket cover in the direction the arrow shows. Push in when it is switched to the very end. A red indicator light and sound effect notifies you that the charging plug is in the correct position. When the light turns from red to blue, it means the battery is fully charged.



5.6. Reset

If the system encounters an error, please use the reset button to shut down the unicycle. Switch the reset button to the right as shown below.



5.7. Over-speed Protection

In order to avoid dangerous speeds, The INMOTION unicycle has a maximum speed. When the speed surpasses the maximum limit of 18km/h (11mph), the pedals will tilt up by 3-4° to allow the user to maintain the current speed. It is very difficult for the user to use self-weight to speed up on this basis. If the user tries to speed up over 20km/h, the unicycle will respond with an opposite force to protect the user from going over-speed. The pedals will return to the normal angle when the speed gets back to normal.

When the battery is low, the unicycle will slow down from 18km/h (11mph) to 5km/h (3mph), which shifts to energy-saving mode. As the battery charge decreases, the speed continues to reduce. The system will automatically shut down once it detects a speed close to 0km/h for more than 10 seconds if the user does not turn it off.

5.8. Tilt and FallProtection

When the unicycles tilt to the side by more than 45°, it will detect the abnormality, play the “Be careful” warning signal, and shut off the automatic balancing mode in order to avoid harm to human bodies by the high-speed rotating wheel. All that needs to be done is to either power off or restart, or to hold the unicycle upright, which activates the automatic balancing mode.

5.9. Over-discharging Protection

The INMOTION unicycle integrates an over-discharging protection system that cuts off the power to protect the battery when the unicycle is in sleep or in power-off mode, or when the battery is too low. A unicycle in the over-discharging protection mode will leave this mode when plugged in to a power outlet. After charging for 30 minutes, should the unicycle not turn on, please contact the authorized resellers or the INMOTION service department.

6. Maintenance

6.1. Storage

Improper storage of the **INMOTION unicycle** may result in the short battery life and other risks. Please store the **INMOTION unicycle** in a dry and moderate temperature indoor environment. If you do not use the **INMOTION unicycle** at least once a month charge monthly for best battery care.

6.2. Inflation and Replacement of the Interior and Exterior Tires

Please ensure that the air pressure stays the same in both tires and that they remain at 3.5 Bar (50 PSI) If you get a flat tire or are in need of new tires, please contact an INMOTION authorized distributors or the INMOTION service department.

6.3. Adjustment of the Pedals

Loose pedals may result in fall or injury. For best results, ensure that pedals are not loose. If the pedals are loose, please use an M8 allen driver to tighten. Before each use, please check all the components of the unicycle before using it. Please use an M8 allen driver to tighten the set screws on the shaft.

6.4. Cleaning

- Before cleaning, please make sure the product is turned off and unplugged, and the charging plug is closed. Be careful not to let water get in the charging plug or the USB plug during cleaning.
- Please use water or soapy water with a soft cloth to wipe clean the shell of the unicycle. Please do not use a high-pressure water gun to clean the unicycle.
- The **INMOTION unicycle** is resistant to water splashes and dust and has an IP55 certification.

7. Contact and legal information

7.1. Response to the problems

Please contact us if you or someone around you has any trouble or suggestion during the INMOTION electric scooter use. We will thoughtfully listen your opinion and we will serve you with enthusiasm.

7.2. Contact us

INMOTION IBERIA

Tel: 937627617

email: rma@inmotioniberia.com

7.3. Local laws fulfillment

INMOTION electric scooter works as a portable intelligent transporting tool, but it's not a substitute of nowadays modern transport tools in any case. Is completely restricted to drive the INMOTION electric scooter in public highways. In some countries, INMOTION electric scooters are also forbidden on public roads. Ask to the local authorities the specific reasons and condition of your place. You can contact with us or with the authorized dealers of INMOTIONIBERIA.

Product Maintenance

Dear clients:

We are grateful to be your product brand.

To warrant that we offer the best quality service of this company, INMOTION IBERIA realizes the following service engagements for its products. After the purchase of this product, please give us the correct, updated and real personal information. Then complete the maintenance card and ask for a valid agency bill in order to have guaranteed the right maintenance.

Warranty policy

INMOTION IBERIA warrants that during the warranty period, INMOTION IBERIA or a company authorized by, will be able to correct the material, design and manufacture faults for free both repairing or changing the product when needed. According to the right warranty policy and according to the Spanish legislation, the warranty of INMOTION IBERIA products lasts 2 years from the purchase date, except the battery period that will last 6 months and the wheel(s), which will be guaranteed just the first month after the purchase date.

The warranty period will start when the original purchase moment by the user. INMOTION IBERIA warrants that all the products fulfill with the promoted specifications provided that the product hasn't been manipulated, transported, stored and used according to the instructions of its respective manual instructions provided by INMOTION IBERIA. Therefore, INMOTION IBERIA assumes its responsibility only for disconformities and defects proved that are caused by actions or imprudence made before the first deliverer to the first carrier.

In no case the warranty period will be amplified, actualized or affected in another way due to the post reshipping, reparation or substitution of the authorized product by INMOTION IBERIA. However the repaired piece(s) or the substitutive provided products inside the warranty period will be guaranteed during the unexpired period of the original warranty or 6 months from the reparation or substitution date.

Pieces	Warranty Period	Observations
Full body	2 years	Elevator and pedal included (battery and intern van are not included).
Battery lithium group	6 months	
Interior and exterior van	1 month	Abrasions performed manually are excluded and compression accidental damage too.

Annulation warranty cases

INMOTION IBERIA products will lose its validity in case of:

- Modification, alteration or deliberated substitution of the original contents in the bill or purchase justification.
- Loss or absence of the purchase invoice.
- Manipulation or reparation by people or agents not authorized by INMOTION IBERIA.
- Manipulation or modification of the serial identifying number of the product without justified case.
- Defects and/or product malfunction as consequence of an incorrect use of it, forgetting the use recommendations and the adjunct user manual.
- Weathering of some product component derived by its normal use.
- Vehicle use over its capacities as evident mistreatment in the form of strokes or any other anomaly attributable to the consumer.

II. Product policy service maintenance

1. Customers can ask for after sale help calling at the official INMOTION IBERIA technology support number. 937627617. The policy service and the post service characteristics are available on our company webpage, [www. Inmotioniberia.com](http://www.inmotioniberia.com).
2. The customer must check the products immediately after its reception and then inform to INMOTION IBERIA in case there is something wrong. The client can send an email to rma@inmotioniberia.com or also call at the specified number above. The client is able to make any product complain or reclamation in-between the 14 natural days after the delivery.

III. Limited maintenance responsibilities

Technic service

We are conscientious of the importance that our clients give at the received service after the vehicle acquisition, that's why we give a huge importance at our (ATS) Assistance Technic Service. We count with a professional qualified team that works day by day in order to improve the technic orientation we give to our clients as well as the support reparations to our products.

In case of warranty reparation or out of it, most of the cases use to have a solution. That's why, and even only those reparations covered by the warranty will be totally free, our clients can always apply for a reparation budget. In this case, they will have to pay the delivery and sending outgoings after the acceptance or rejection of the budget. The regulations will come into force from the date of issue.

Approved Certificate for Product

This product has been examined and approved.

This Warranty Card (only valid with the attached serial number by the manufacturer) and the receipt are valid proofs for maintenance. Please keep this Warranty Card with care.

Date of Manufacture:

Stamp of Quality Inspection: