CHIC

User's Manual

Chic Pi Series

v2.1

- Thank you for choosing and purchasing the Chic Pi series self-balance scooter!
- Chic Pi is a kind of intelligent man-machine interactive electric self-balance scooter.
- Please read the User's Manual carefully to understand the safety warning and precautions of the Chic Pi series self-balance scooter before use it.
- The User's Manual can help you to understand, use and maintain it quickly.

This manual applies to the Pi series self-balance scooter produced by Hangzhou Chic Intelligent Technology Co., Ltd.

WARNING!

- Please learn how to ride safely before riding a Chic Pi series self-balance scooter on the road, for avoiding collision, falling and out of control.
- You may learn the safe riding skills by consulting the User's Manual.
- This User's Manual informs all the operation instructions and cautions to the customer, the users of Chic Pi series self-balance scooter products must read carefully and operate according to the requirements of this manual, and our company will not be held liable for any consequences arising from the product user's failure to act in accordance with the instructions or violation on warning.
- You may contact your local agent or visit our company's official website (www.chic-robot.com) for inquiry in case you want to get the related service support of the product.

Table of Contents

1. 1 Document Overview 3
   1.1 About this manual 3
   1.2 Risks on riding 3
   1.3 Preparation before driving 3
   1.4 Attentions to the documents 3
2. Introduction and working principle of Chic Pi series self-balance scooter 4
3. Functional control of Chic Pi series self-balance scooter 5
   3.1 Function module 5
   3.2 Startup 6
   3.3 Shutdown 6
   3.4 Indicator lamp 7
   3.5 Balance calibration 7
   3.6 Foot sensor 7
   3.7 Mobile phone client 8
4. Safe handling 8
   4.1 Safe operation instructions 8
   4.2 Weight restrictions 8
   4.3 Speed restrictions 9
   4 4 Endurance mileage 9

5.Learn to drive Chic Pi series self-balance scooter 9
5.1 Operating steps 9-11
5.2 Protection function 12
5.3 Driving excise 12
6. Instruction on safe driving 13-14
7. Battery instructions 15
7.1 To use battery safely 15
7.2 Power charging procedure 16
7.3 Operating temperature 16
7.4 Battery transportation 16
7.5 Battery parameter 17
8. Parameters of Chic Pi series self-balance scooter 18
8.1 Overall dimensions 18
8.2 Detailed parameter 19
9. Maintenance and storage 20
9.1 Clean 20
9.2 Storage 20
10.Fault handling 21
10.1 Common troubleshooting methods 21
10.2 Common alarm code table 22

1. Document Overview

1.1 About this manual

For your riding safety, please read this manual carefully before using a CHIC self-balance scooter to ensure that you can ride the CHIC self-balance scooter following the correct instructions.

- Learn all the safety warnings and precautions listed in this manual that will be helpful for you to better drive the CHIC balanceable vehicle.
- This manual applies to the Pi series self-balance scooter produced by Hangzhou Chic Intelligent Technology Co., Ltd.
- If you have any questions or can not find the information you need from this manual, please contact the dealer authorized by CHIC or CHIC Company in time.

1.2 Risks on riding

The Chic Pi series self-balance scooter is an intelligent transportation and living, entertainment & leisure auxiliary means with automatic balance system, its technology and production process have been tested strictly. However, it might harm you in case you fail to use it in accordance with the safety warning specified in this manual.

WARNING! Anywhere or any time, falling, out of control or bumping, including violence of the driving manual specifications, may cause injuries, even death. Please do read this manual carefully in order to reduce the risks and avoid injuries.

1.3 Preparation before driving

It shall be checked first whether the battery of the Chic Pi series self-balance scooter is charged sufficiently before use. Please see Section V of this manual for specific use. If the users do not use it in accordance with the safety warnings regulated in this manual, it may cause harm to you

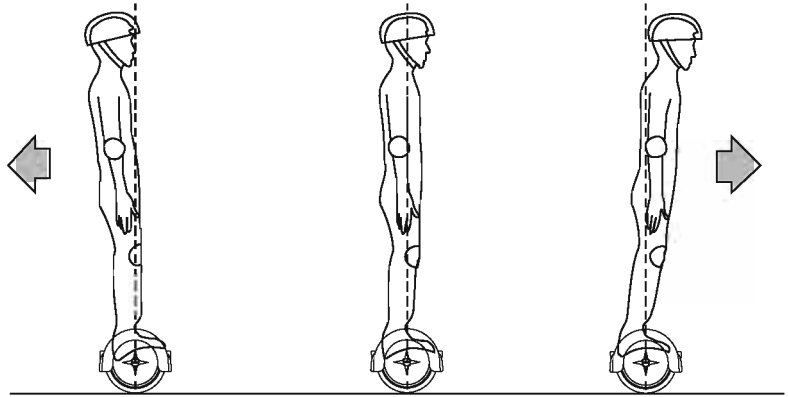
1.4 Attentions to the documents

The explanation below is applicable to the whole "User Manual" , please pay special attention to the related "WARING" and "NOTE".

WARNING!	Warning: your improper actions would threaten your personal safety
NOTE:	Instructions: precautions to the users and related usage method

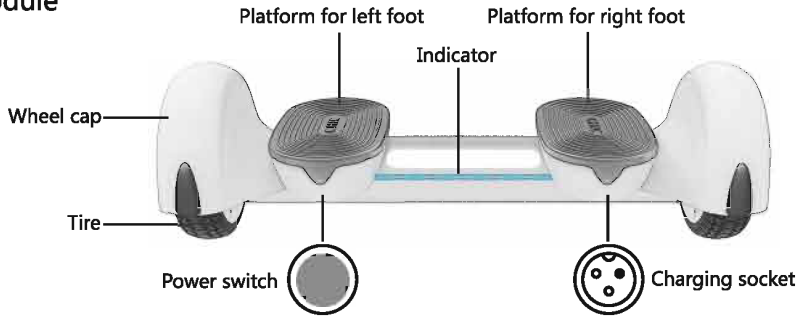
2. Introduction and working principle of Chic Pi series self-balance scooter

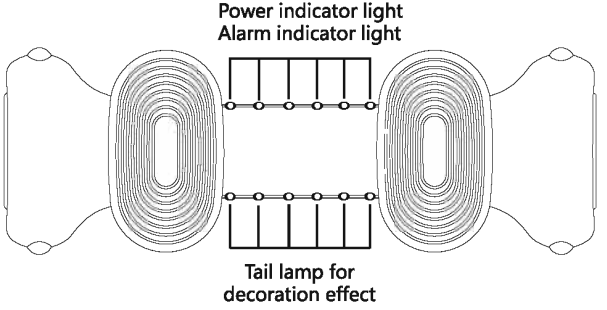
- The Chic Pi series self-balance scooter is a high-tech electric two-wheel self-balance scooter developed by HangZhou CHIC Intelligent Technology Co., Ltd., which controls the forward going, backward going, turning and stop by using the principle of dynamic balance; the Chic Pi series self-balance scooter has some obvious advantages such as fashionable & lightweight appearance, easy operation, flexible control, as well as low-carbon and environmental friendly, truly the best choice for various life applications including entertainment, leisure, scenic area visiting and short distance transportation.
- The Chic Pi series self-balance scooter uses the principle of dynamic balance, utilizes an internal gyroscope and acceleration transducer, to detect the change on scooter body posture based on the change of body gravity center, and then drive the motor precisely by using the servo control system to adjust accordingly. A human body standing on the scooter, when the body leans forward, the system will sense it automatically and drive accurately the wheels to run forward, for keeping the balance; when the center of gravity leans backward, the wheels will also run backward; when you need to make a turn, reduce the speed first and then achieve the turning by controlling the pressure changes at front & back of your left and right feet based on your demands of turning.
- The built-in inertia dynamic system of Chic Pi series self-balance scooter can maintain the levelness in front-back direction within the safe riding speed, but it cannot guarantee the stability of left-right direction, therefore, the rider must slow down upon turning, to avoid physical injuries due to excessive centrifugal force.



3. Functional control of Chic Pi series self-balance scooter

3.1 Function module





* This picture takesChic Pi asan example, according to different sizes of products will be slightly different.

NOTE:

The Chic Pi series self-balance scooter does not identify the front/back direction upon riding, the rider may get on the scooter for riding from any of both sides parallel to the direction of scooter length, and for the sake of convenient description, we define that the side where there are power switch and charging socket at lower part of the scooter is the back side, while another side without power switch and charging socket is the front one.

3.2 Startup

For the first time to use or more than one month not using the Chic Pi product ,you need to activate it with the charger(press once the power switch button while charging and it can be activated) . The Chic Pi product has two methods to power on including the pressing starting and the sliding starting.

- The pressing starting :press once the power switch button on the Chic Pi series self-balance scooter to turn on the power.The indicator light is ON at this moment.
- The sliding starting : step on one of the platforms with one foot and slide slightly back-and-forth until the indicator light is ON.

NOTE:

The system has to make self-examination of the scooter upon start,so please do not step it or press the foot platform upon start;in case the front &rear yellow lights flash together when the sliding starting completes, you need to lift your foot to separate it from the foot platform , and then it can be ridden normally.Please turn off the sliding starting feature in case of turning on the machine when packing and shipping. The sliding starting feature can be turned on or off at the machine or the cell phone client-side(APP).

Turn off the sliding starting feature : put the machine vertically , press the power switch button for five seconds in the state of power-on.

Turn on the sliding starting feature : put the machine vertically , press the power switch button for five seconds in the state of power-off.

3.3 Shutdown

It shall be ensured that the Chic Pi series self-balance scooter shall be switched off when there is no person riding on it. The shutdown can be achieved in the following way:

- The system is defaulted to shutdown automatically within 5 minutes without operation.
- Power off by power key.
- Power off via cell phone APP.

3.4 Indicator lamp

There are 6 indicator lamps in the front and on the back of the Chic Pi series self-balance scooter, for indicating the scooter's running status and showing decorative effect.

- The battery power indicator is in the front of the scooter; in standby status, the front indicator displays the battery level with breathing light effect, and in running state, the front indicator displays the battery level with dynamic effect; the front indicator lamp will display the warning code in case there is alarm. The battery power indicator shows the current remaining power in different colors, it refers to sufficient battery when the green light is lit, it refers to that the available power is less than 50% when the yellow light is lit, and it refers to that the available electricity is less than 20% when the red light is lit, the user needs to recharge it in a timely manner. It indicates that the battery is almost dead when the front 6 indicator lights flash red and the buzzer sounds at the same time, it must be charged immediately.
- The tail indicator lamp shows the user-defined dynamic effect, the user may alter the display effect of the tail indicator lamp via cell phone client-side; the tail indicator lamp enhances the beauty of the scooter with dynamic effect upon normal riding.

NOTE: The display effect of the indicator lamp can be changed via APP

3.5 Balance calibration

The platform might not be horizontal enough (upon riding, the platform collapses forward or warps upward when standstill), it might not go straight or make turns automatically (it turns automatically to one side when the foot platform is horizontal) upon riding when the Chic Pi series self-balance scooter has been ridden for a period of time, and the weighing error is greater than the maximum allowable error, please calibrate the balance of the machine when there are the above phenomena.

Preparation for balance calibration: place the scooter body horizontally standstill in the starting state and the foot platform shall be free of any objects.

- Balance calibration via power switch

  Press and hold the power button for 5 seconds in the starting state for balance calibration. The indicator flashes at this moment. While the buzzer sounds, the calibration will complete in approximate 7 seconds. Then the system goes to the starting state automatically and then the scooter can be ridden normally.
- Balance approval via APP

  To achieve calibration on the setting interface of cell phone client-side.

3.6 Foot sensor

The Chic Pi series self-balance scooter is equipped with a sensor under the foot platform, it will regulate automatically to the balance mode as soon as a user steps onto the foot platform of the Chic Pi series self-balance scooter.

- It shall be ensured that the foot platform is stepped when riding a Chic Pi series self-balance scooter, and do not step on any part except for the foot platform.
- Please don't put your belongings on the foot platform, for it will cause that the scooter foot sensor cannot close, thus increase the rate of collision and result in personal injury or damage to the machine.

NOTE: Do not hit or impact the foot platform when riding a Chic Pi series self-balance scooter, otherwise the built-in sensor will be damaged and the error will increase.

3.7 Mobile phone client

- The Chic Pi series self-balance scooter supports the Bluetooth connection at cell phone client-side (Bluetooth 4.0 or above). More functions can be experienced by connection between the Chic Pi series self-balance scooter and cell phone APP.
- The cell phone client-side can be downloaded from our company' s official website and Apple APP Store.
- Please follow the updated information at cell phone client-side to get the new features.

4. Safe handling

4.1 Safe operation instructions

Hangzhou Chic Intelligent Technology Co ,Ltd hopes that all the riders may ride the CHIC self-balance scooter safely and enjoy the fun brought by the CHIC self-balance scooter. Please recall the experience when you were learning how to ride a bicycle, drive a car, ski, or use other similar transportation means. All such experience can be applied to our product, so that you can ride a CHIC self-balance scooter better.

- To ride a Chic Pi series self-balance scooter safely by following the relevant content of the User's Manual.
- Please check whether the tire is damaged, whether any components are loose before every time of riding, please contact your agent in a timely manner for maintenance in case of any abnormity.
- Please read the User's Manual carefully, you will get a lot of important safety information from it, including the speed limitation, indicator light alarm, safe shutdown, etc.
- Please do not make anything endangering personal or property safety with the Chic Pi series self-balance scooter.
- Please do not modify the components of Chic Pi series self-balance scooter without authority, because it would not only impact the performance of Chic Pi series self-balance scooter, but also even damage the machine, and cause serious injuries as well.

4.2 Weight restrictions

The Chic Pi series self-balance scooter has a function of load limitation. It would warn to prevent the riders from riding in case the rider is either too light or too heavy. There are the following two reasons for the rider's weight limitation:

- To ensure the safety of the rider;
- To reduce the damage to Chic Pi series self-balance scooter due to overload.

4.3 Speed restrictions

- The buzzer of Chic Pi series self-balance scooter would give out a sound alarm and the foot platform would tilt upwards in case the rider exceeds the maximum allowable speed, so that the speed can be limited within a safe range.
- The Chic Pi series self-balance scooter can keep the balance of the rider well at the prescribed speed, but the rider might lose balance and cause physical injuries in case of over-speed riding.

4.4 Endurance mileage

The endurance mileage of Chic Pi series self-balance scooter has relation with many factors, such as:
- Topography: The driving distance will be increased if drive on the smooth and flat ground, on the contrary it will be reduced.
- Weight: The driver's weight will influence the driving distance.
- Environment temperature: The driving distance will be increased if the Chic Pi series self-balance scooter is saved and driven under the recommended temperature, otherwise it will be reduced if under extreme temperature.
- Maintenance: The driving distance will be increased by reasonable charging and maintenance, otherwise it will be reduced.
- Speed and driving style: The driving distance will be increased by keeping moderate speed. Otherwise, it will be reduced by frequent start, stop, acceleration and deceleration.

5. Learn to drive Chic Pi series self-balance scooter

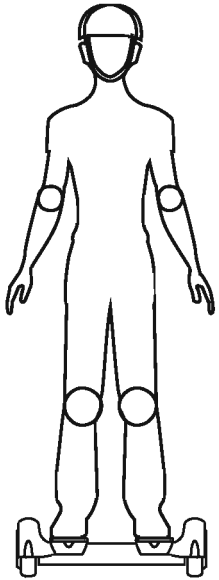
The relevant safety matters should be noticed for using a Chic Pi series self-balance scooter, hence, you should have a good understanding of User's Manual before driving, which is very important to you.

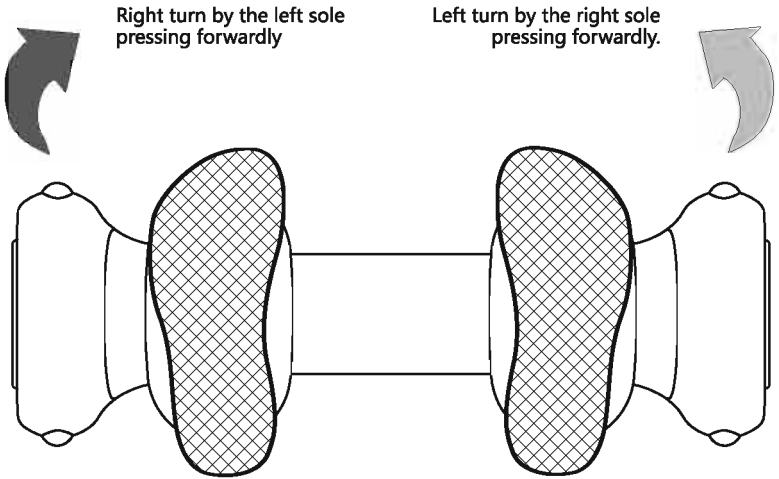
5.1 Operating steps

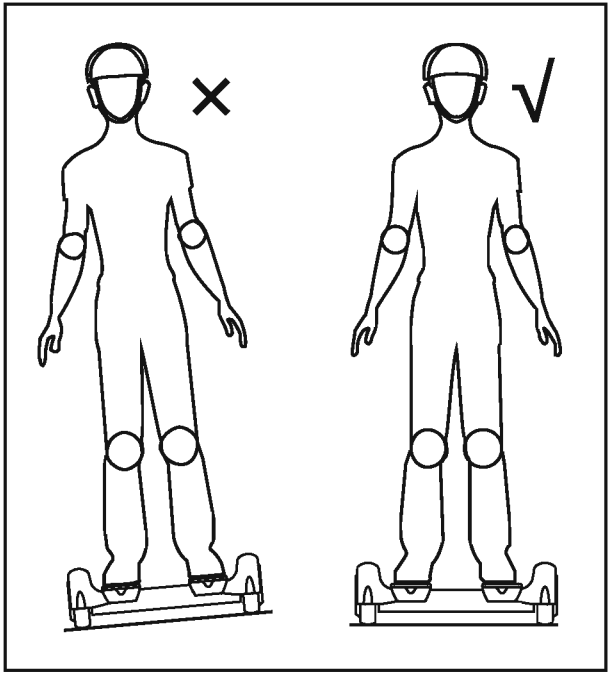
- Step 1: To start Chic Pi series self-balance scooter.
- Step 2: For the driving preparation,Chic Pi series self-balance scooter should be put horizontally, and then one foot steps on the foot pad. The indicator light of operation is lightened after the foot switch is triggered. The system enters into the equilibrium state, the other foot can step on for operation after keep the self-balance scooter stable.
- Step 3: To balance the center of gravity after Chic Pi series self-balance scooter is operated successfully.Chic Pi series self-balance scooter is kept in stationary state as well. Forward or backward controls can be made by small-range forerake and hypsokinesis of body with no big-range body movement.

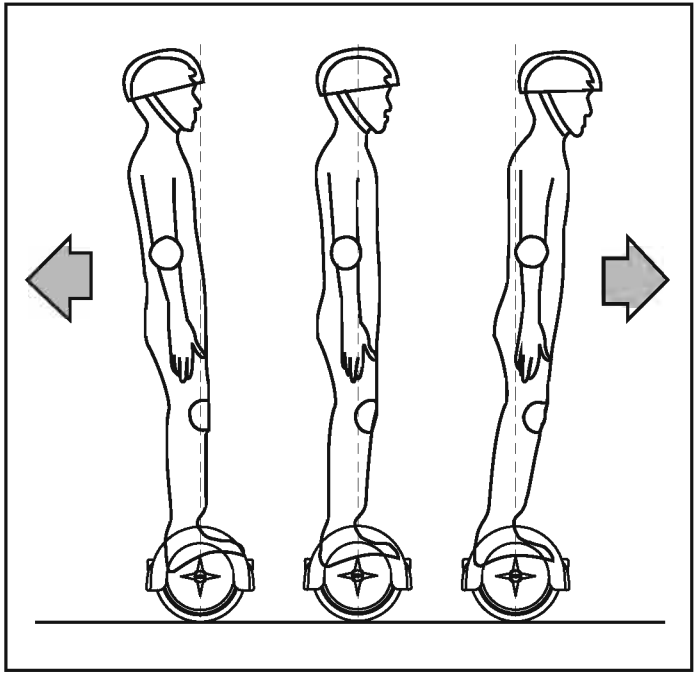
NOTE: If the scooter body platform of Chic Pi series self-balance scooter is not in a horizontal position, the buzzer will give an alarm with alarm light lightening when the foot switch is triggered. The system cannot enter into the equilibrium state with riding not allowed at this moment.

• Step 4: For controlling the left and right directions of Chic Pi series self-balance scooter, the sole of the left foot and the heel of the right foot should turn to the right at full tilt, and the sole of the right foot and the heel of the left foot should turn to the left with full strength.
• Step 5: Get off scooter. Chic Pi series self-balance scooter should be kept still and balanced before you get off. One foot comes down first and the other foot leaves the foot pad quickly. Please get off in backward posture.









Driving Schematic Diagram of Chic Pi series self-balance scooter

WARNING!

- Fierce turning at high speed is not allowed for fear of dangerous situation.
- Please do not drive or turn horizontally on the slope, which will cause balance angular deflection of Chic Pi series self-balance scooter and influence the driving safety.

5.2 Protection function

In the process of operation, if system error or false operation occurs, Chic Pi series self-balance scooter will remind the drivers to adjust the riding way or stop riding to check the vehicle in various ways. The prompting modes are lightening of alarm light and alarm of buzzer at intervals. Alarm is triggered when the following conditions occur:

- When get on, the angle of inclination of the platform is overlarge.
- Insufficient electric quantity of the battery, over-heat battery temperature.
- To tread the pedal platform during charging.
- Reach maximum limited speed.
- Below minimum limited carrying capacity .
- Exceed maximum limited carrying capacity.
- The shaking of the vehicle forwardly and backwardly is more than 30 seconds.
- High current discharge continuously (such as climb long and steep slope for a long time).
- The inclination of the pedal platform during driving is more than 35 degrees, and the stopped state is entered.
- 10-second blocking of wheels and enter into the stopped state.
- The battery voltage is lower than the protection value, and the stopped state is entered after 15 seconds.
- Motor excess temperature protection.

WARNING!

When the electric quantity of the battery is low or the system generates safety parking information, please stop continuing to drive. Otherwise, the vehicle cannot reach the equilibrium state due to insufficient electric quantity or unrelieved warning. The driver is readily to be injured under this condition. To drive when the electric quantity of the battery reaches the minimum will influence the battery life. Continue to drive only after the vehicle is in the normal state.

5.3 Driving excise

When you drive Chic Pi series self-balance scooter outdoors, please first confirm that you are skillful at driving Chic Pi series self-balance scooter for your safety.

- Please wear casual sports wears and flat shoes, which make the body flexible.
- Please learn to drive in open space until you can get on, go forward and backward, turn, stop and get off easily.
- Please choose the flat ground to drive first.
- If you cannot drive skillful, please avoid the dangerous places where there are pedestrians or barriers. Be careful of your head when passing a gate, and confirm the normal pass.

6. Instruction on safe driving

This part of content emphasizes some safety knowledge and warning for the purpose that you shall have gained some understanding of safety notice before using Chic Pi series self-balance scooter. Please read through User's Manual and comply with related safety instruction in order to drive safely. Pay attention to all the safety warning and notice of which the understanding may increase your safety and joy while driving Chic Pi.

⚠ WARNING!

- You may be hurt for losing control, colliding, felling while driving Chic Pi series self-balance scooter. Please confirm that the product is in good condition to prevent from damage and read carefully and understand all the specification of the product provided by our company in prior of using this product.
- When you are learning to drive Chic Pi, make sure you have taken these safety measures such as wearing a protector, like a helmet, kneecap, and elbow pad, etc.
- Chic Pi series self-balance scooters are only for entertainment. Using as vehicles is strictly prohibited.
- Using in motorway is strictly prohibited.
- Children who drive the self-balance scooter should be no less than 20kg and should drive under adult' s protection. People with a history of heart disease, hypertension and the old having difficulty moving and lacking sense of self-protection are prohibited driving this scooter. Pregnant women and the disabled are also prohibited driving this scooter.
- Please do not drive after drinking or taking medicine.
- Please comply with local traffic rules and yield to pedestrians while driving Chic Pi series self-balance scooter.
- Stay alert to your front and things at distance. Keeping a good vision may help you driving Chic Pi series self-balance scooter more safely.
- Relax your legs and slightly bend your knee will keep you balanced when driving through uneven road.
- Keep your feet on the pedal while driving.
- Dressing sport wear helps you dealing with emergency while driving Chic Pi series self-balance scooter.

- Chic Pi series self-balance scooter can only be driven by one person at a time.
- The weight of the user along with his/her belongings should not be over the maximum weight stated in specification. If not, the user may easily fell or get hurt, even cause damages to the self-balance scooter. Beyond that, the weight of the user should also be more than the minimum weight stated in specification. If not, the user may not be capable of controlling the Chic Pi series self-balance scooter, especially cannot slowdown or stop safely when driving downhill.
- The user should keep the speed in a range that can ensure his/her own safety and other people's safety and are ready to stop at any time the Chic Pi series self-balance scooter.
- Keep a distance from each other for avoiding collision while driving with other Chic Pi series self-balance scooter users.
- Your height increases 10 cm while driving Chic Pi series self-balance scooter. Please pay attention to your head while passing through gates.
- Keep self-balance of your body while making a turn to prevent from falling down because of deviation of gravity center or driving too fast.
- Pay attention to driving while Chic Pi series self-balance scooter.
- Do not drive in a rainy day on a slippery road, such as on a snowy road, ice road, or the slippery floor.
- Do not drive under sunlight for a long time to prevent the shell from aging fast.
- Do not reverse for long distance, reverse fast and make a turn, drive Chic Pi series self-balance scooter over speed.
- This personal entertainment is not designed, tested or proved to be medical instrument. Therefore the user should drive without external help.
- Do not drive Chic Pi series self-balance scooter under dim light or in dark place.
- Keep the scooter off road surface with little items such as little branches, garbage, or little stones.
- Keep of narrow space or barricaded road.
- Drive in environment under good condition. Please get permitted first if it is necessary for others permission.
- Do not start or stop rapidly under non-emergency situation.
- Keep off steep slope.
- Do not drive Chic Pi series self-balance scooter in unsafe environment. Unsafe environment refers to spaces where may catch fire or explode because of inflammable gas, steam, liquid, dust or fiber.

7. Battery instructions

Mainly describes the charging method of Chic Pi series self-balance scooter, how to maintain the battery, some safety notes and the declaration of the battery specification. For other people and your own safety and to extend the battery life and to enhance the performance, please handle and use battery under instructions below.

7.1 To use battery safely

When the battery indicator is red and twinkling, it means the battery is low. You are recommended to stop driving then. When battery is low, Chic Pi series self-balance scooter cannot be driven normally as the energy is insufficient. At this time the system will lift the pedestal automatically to stop drivers from using. It will be easily for you to get fell and hurt and influence the battery life.

- Do not use the battery under circumstances here below.
  1. Peculiar smells and overheats.
  2. Leakage of any substance.
- The battery can only be torn down and maintained by professional personnel.
- Do not touch the leakage.
- There are dangerous substances in the battery. Do not open the battery. Do not insert anything into it.
- Keep the children and animals off the battery. Plug out charger before driving. Dealing with Chic Pi series self-balance scooter when charging it is dangerous.
- The Chic Pi series self-balance scooter can only be charged with devices provided by Hangzhou Chic Intelligent Technology Co., Ltd.
- Do not charge the battery which has been over discharged. Over discharged battery has potential risk and can only be abandoned.
- The battery of Chic Pi series self-balance scooter should be use under local law.

7.2 Power charging procedure

- Open the cap and make sure the charging port is dry.
- Plug one end of the charger in electric supply (100V~240V; 50/60Hz), make sure the green charge indicator light normally, then plug the other end in the Chic Pi series self-balance scooter charging port.
- The red indicator of the charger means that the charging is normal. If not, please check the line.
- When the indicator turns to green from red, it means the battery is fully charged. Please stop charging at this time. Charging for a long time will decrease the battery life.
- Pay attention to local standard plug.
- Please charge and store under specification, or the battery may be damaged and the battery life may be decreased.
- Charging time of Chic Pi series self-balance scooter is about 2-3 hours. Charging too long will decrease the battery life.
- Keep the charging space clean and dry.
- Do not charge when the port is wet.

Charging socket

WARNING! Do not use a charger which is not provided by Hangzhou Chic Intelligent Technology Co., Ltd. Otherwise, the scooter may be damaged.

7.3 Operating temperature

For ensuring the highest efficiency of Chic Pi series self-balance scooter, the battery temperature should be in the range stated in specification. Before charging and in the process of charging, the temperature should be in recommended range.
Charging efficiency is the highest when temperature is closed to the recommended. If it is too cold or too hot, the charging time will be longer and the battery will not be fully charged.

7.4 Battery transportation

NOTE: If you need to transport the Chic Pi series self-balance scooter with lithium battery by air or transport the lithium battery by other means of transportation alone, please contact Hangzhou Chic Intelligent Technology Co., Ltd. or its agents.

WARNING! The lithium battery is deemed as dangerous items. its transportation should get the permission of local law.

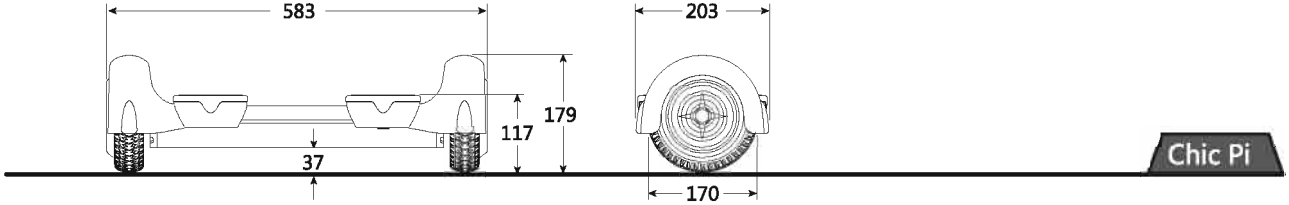
7.5 Battery parameter

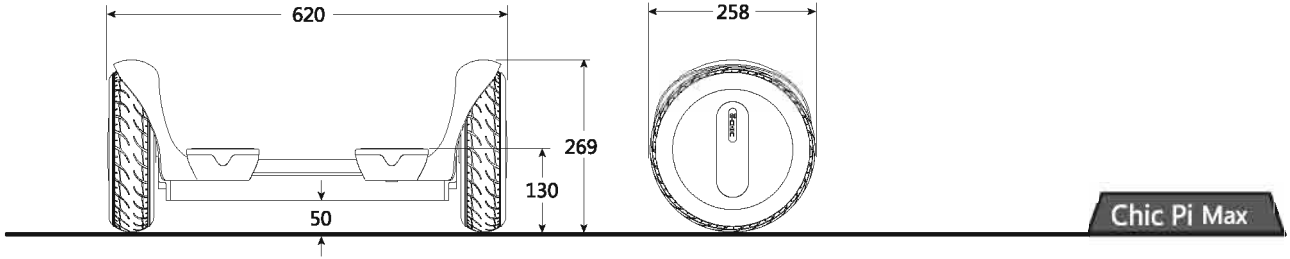
Name	Parameter
Battery type	Lithium battery
Charging time	2-3 hours
Voltage	36 V
Battery capacity	4.0 Ah
Operating temperature	-5℃~45℃
Charging temperature	0℃~40℃
Storage time (-20℃ 25℃)	12 months
Relative humidity of storage	5%-95%

8. Parameters of Chic Pi series self-balance scooter

8.1 Overall dimensions

Unit: mm





8.2 Detailed parameter

Name	Parameter(Chic Pi)	Parameter(Chic Pi Max)	Remarks
Net weight	10 kg	11.5 kg	
Minimum loading	20 kg	20 kg	
Maximum loading	100kg	100kg	
Maximum speed	10 km/h	15 km/h	
Maximum endurance mileage	10-20km	10-20km	Endurance mileage will be affected by environmental temperature, terrain, driving mode, battery type and its load.
Maximum slope angle	15°	15°	
Turning radius	Pivoting turn	Pivoting turn	
Energy	Rechargeable lithium battery	Rechargeable lithium battery	
Charging requirement	AC100-240V/50-60HZ	AC100-240V/50-60HZ	
Length, width	583 x 203 x 179 mm	620 x 258 x 269 mm	Applicable to global
Chassis clearance	37 mm	50 mm	
Distance between foot plate and floor	117 mm	130 mm	
Tire diameter	170 mm	254 mm	
Tire type	Non-Pneumatic Tire	Pneumatic Tire / Non-Pneumatic Tire	
Battery	36V 4.0AH	36V 4.0AH	

9. Maintenance and storage

9.1 Clean

Chic Pi series self-balance scooter requires users to make daily maintenance. This chapter mainly describes maintenance steps and important operating tips for Chic Pi series self-balance scooters. Before you perform the following operations, please confirm that the charging port and charging cable are disconnected and are shutdown. Operations are not allowed when the power is switched on or the battery is charging.
Note before cleaning:
- Please make sure that the power supply and charging cable are disconnected.
- Please clean the shell of the scooter with a soft cloth. It is prohibited to use hard materials, such as steel wire balls, to scrub the body.

⚠ WARNING!

- Dustproof and waterproof for Chic Pi series self-balance scooter is IP54, so it can proof fine dust and splash water. Do not use high-pressure water jet to clean Chic kinect scooter or soak it in liquid for cleaning. It should prevent water or other liquid from seeping into the vehicle to cause permanent damage to electronic device inside the host.

9.2 Storage

- Please charge the battery of this self-balance scooter before storage so as to prevent battery from over discharge if the scooter has not been used for a long time.
- If the storage last for a long time, please charge the battery at least once per 2 months.
- In order to keep the storage for more longer, the Chic Pi product have the function with hibernation mode and it will auto start once the hoverboard does not use for more than one month. During the hibernation model, even you put the power button, it can not start. It needs to activate the hoverboard with the charger(charge more than 2 seconds can be activated), and then it can be used normally.
- If the storage temperature is below 0℃, please do not charge. The Chic Pi series self-balance scooter can be put in a warm environment (higher than 10℃) to charge the battery.
- You can cover Chic Pi series self-balance scooter with something to prevent it from being affected from dust which may accelerate aging of the shell.
- Please stock Chic Pi series self-balance scooter in a dry indoor place with appropriate temperature to avoid direct sunlight.
- In order to protect user's safety, please do not disassemble Chic Pi series self-balance scooter privately. Otherwise, it can be regarded that the user gives up product warranty voluntarily.

10. Fault handling

Self inspection items include sensors, static current and dynamic current of the system, motor speed fluctuation, etc. When Chic Pi series self-balance scooter is out of order or a fault is found during self-checking, please check code displayed by the alarm light and check alarm code table to find out the reason, then recover it. If you cannot handle it, please contact service network of Hangzhou Chic Intelligent Technology Co., Ltd. for maintenance.

10.1 Common troubleshooting methods

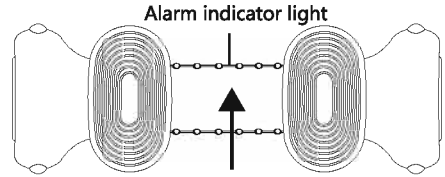
No.	Faults	Fault handling method
1	When riding, the platform is turned up, alarm light is on, and buzzer is noisy	1. Exceed the maximum safe speed, please slow down 2. The battery is too low, please charge.
2	When the scooter is not moved, the platform warps upward or collapses downward.	If deviation of balance data is too large, please calibrate balance of the scooter. Balance calibration method should refers to "User's Manual - 3.5 Balance Calibration"
3	It will not go straight or turn automatically when the pedal platform goes forward slowly in a horizontal trace.	
4	Weigh data deviation exceed max allowable deviation.	
5	After switched the scooter, if there is no pressure, the pedal platform will automatically launch the balance.	
6	Front and rear indicators are flashing in yellow lights at the same time.	
7	Wheels flopped while riding	Please check the tire pattern or there may be any foreign materials on the surface.
8	Unable to charge	Please check if the charger is correctly connected to the body and if the charger is functioning properly (if the charger is plugged properly, the indicator are green when it doesn't connect with the body or the battery is full of electricity; The indicators are red when the battery is being charged and not full of electricity.)
9	Unable to start	Please connect the charger to the machine and check whether the battery istoo low.
10	Cannot connect APP	Please make sure the mobile can support 4.0 or above versions of Bluetooth; if App is damaged or the version is too low, please download and install it again.

10.2 Common alarm code table

The alarm indicators for Chic Pi series self-balance scooter are 6 colorful LED lights.when there is fault about the scooter or make the improper operation, the indicators will show different lights for the alarm code and the buzzer will make some noises.The alarm indicators are combination of yellow lights and red lights.In the following code ◉ Red light is always on ○ Flickering yellow light ● Flickering red light;The following information is about common fault code. If the fault code cannot be found in this table,please write down the code to contact service network of Hangzhou Chic Intelligent Technology company service outlets for faults debugging.

NOTE:

Correct identification of alarm code : When the body of the scooter is put in front of driver in parallel and looking forward from the rear of the scooter . The first red light is always on ,the other four light is flickering .Reading the information from the first Red light. Then check the common alarm code table for alarm information.



No.	Indicator light displays	Warning sign	No.	Indicator light displays	Warning sign
1	◉○○○●	The angle of pedal platform is too big when getting on.	9	◉●○○●	The angle of pedal platform is too big when riding.
2	◉○○●○	The motor may be locked	10	◉●○●○	Riding on one foot
3	◉○○●●	Giving alarm by shaking back and forth for 30 seconds	11	◉●○●●	Too low or too high
4	◉○●○○	Under voltage alarm	12	◉●●○○	Pressure sensor fault
5	◉○●○●	Over speed alarm	13	◉●●○●	Left motor fault
6	◉○●●○	Operation current is too high	14	◉●●●○	Right motor fault
7	◉○●●●	Too high temperature of left motor	15	◉○○○○	Launch the pedal when charging
8	◉●○○○	Too high temperature of right motor	16	◉●●●●	For other unusual alarms, please check APP in the mobile

WARRANTY CARD

Buyer Information	
Name:	Tel:
Email:	Add:
Purchase Information	
Dealer:	Seller:
Product/Model:	Date of Purchase:
SN:	

REPAIR HISTORY

Date	Service Station	Problems	Repair Actions	Repaired By

LIMITED WARRANTY CONDITIONS

We warrant this product and all parts thereof ONLY TO THE ORIGINAL END-USER PURCHASER to be FREE FROM DEFECTIVE MATERIALS AND WORKMANSHIP for a period of ONE (1) year from date of purchase, except conditions as follows:

1. Damages due to incorrect assembly or use without following instructions in user manual;
2. Warranty is expired or not covered, or warranty card is altered, lost or not compliant with product;
3. Barcode or serial number is altered, removed or not compliant with product
4. Failures due to authorized disassembly, repair or modification;
5. Unexpected damages due to user's liabilities including but not limited to heavy vibration, abrasion, collision or oxidation;
6. Damages during loading and transportation from user for service;
7. Damages caused by force majeure like earthquake or fire;
8. Other damages or failures due to problems not related to product design, technology, manufacturing or quality control.

Packing list

No.	Product name	Quantity
1	Machine	1 unit
2	Charger	1 unit
3	Description	1 piece

Quality Certificate

Checker:

Date:

I wish you're happy with this balanceable vehicle!

If there are some problems when you use our self-balance scooter, please refer to <User's Manual >. When you cannot resolve it under the instruction of <User's Manual >

Chic, Move on follow your heart

Address: Hangzhou, China.
Website: www.chic-robot.com

FCC statement

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.

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

NOTE: 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.

IC statement

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada’s licence-exempt RSS(s). Operation is subject to the following two conditions:

(1) This device may not cause interference.

(2) This device must accept any interference, including interference that may cause undesired operation of the device

Cet appareil contient des émetteurs / récepteurs exemptés de licence conformes aux RSS (RSS) d'Innovation, Sciences et Développement économique Canada. Le fonctionnement est soumis aux deux conditions suivantes :

(1) Cet appareil ne doit pas causer d'interférences.

(2) Cet appareil doit accepter toutes les interférences, y compris celles susceptibles de provoquer un fonctionnement indésirable de l'appareil.