

Thank you for choosing the Airwalk Self-Balancing Scooter.

Before riding, please read the Product Manual carefully, and learn Safety Warnings and Precautions.

This Product Manual can help you understand, use and maintain your Airwalk Self-Balancing Scooter quickly.


**Product Manual**

This manual applies to Airwalk Self-Balancing Scooter



- In order to avoid dangers that are caused by collisions, falls and loss of control please learn how to drive Airwalk Self-Balancing Scooter safely.
- This manual includes all operating instructions and precautions; users must read it carefully and follow the instructions.

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**Enjoy your Airwalk Self-Balancing Scooter!**

## 1.1 Description

This manual will help you learn to ride and maintain your Airwalk Self-Balancing scooter.

## 1.2 Driving Risk

Airwalk Self-Balancing Scooter is a personal transporter, our technology and production processes have strict testing for every Airwalk Self-Balancing Scooter. Driving without reading the contents of this manual may cause injury.



Falling, losing control, collision, or failure to obey Airwalk Self-Balancing Scooter manual, may cause injury even death. In order to minimize the risk of driving, insure that you read Airwalk Self-Balancing Scooter manual.

## 1.3 Preparation before Driving

Before driving, please check level of battery, details in chapter 7.  
 Failure to obey the Airwalk Self-Balancing Scooter Manual, may cause injury.

## 1.4 Related Instructions

Instruction below are for Airwalk Self-Balancing Scooter. Please give special attention to related WARNINGS and NOTES.



BEFORE RIDING CHECK YOUR LOCAL ROAD AND COUNCIL LAWS TO CONFIRM WHERE YOU CAN RIDE AND WHAT RULES APPLY WHEN USING NON-ROAD SELF-BALANCING PERSONAL TRANSPORTATION DEVICES.  
 Warning: Any improper actions will danger your personal safety.  
 Always wear an approved helmet.



NON-ROAD SELF-BALANCING PERSONAL TRANSPORTS DEVICES ARE DESIGNED AS NON-ROAD USE DEVICES AND MUST NEVER BE USED ON PUBLIC ROADS OR PEDESTRIAN PATHWAYS.  
 Notes: Users should pay attention to the manual and the relevant notes on usage.

## 2. Product Introduction

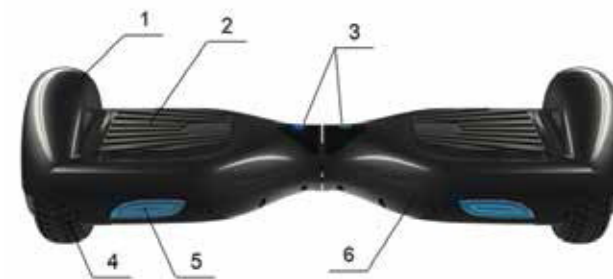
### 2.1 Description of Airwalk Self-Balancing Scooter

Airwalk Self-Balancing Scooter is a high-tech electric transporter, it is based on dynamic balance principles and can control forward, backward, and stopping. Easy Operation, flexible control, low carbon footprint, green environmental protection and easy on-road travel are Airwalk Self-Balancing Scooter's advantages.



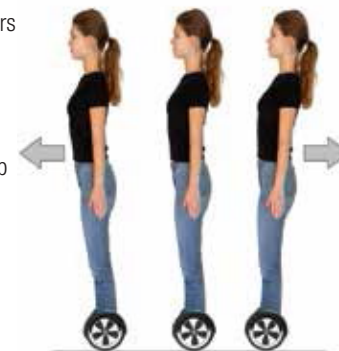
## 2.2 Description of parts

1. Fender
2. Mats
3. Display Board
4. Tire and Motor
5. LED Light
6. Underbody Protection



## 2.3 Working Principles

Airwalk Self-Balancing Scooter uses gyroscopes and acceleration sensors control balance intelligently depending on center of gravity. Airwalk Self-Balancing Scooter also uses a servo-control system to drive the motor. It adapts to the human body, when you stand on the Airwalk Self-Balancing Scooter, lean body forward or backward and the power plant will control the wheels in a forward or backward movement to keep balance. When you turn, you need to slow down and move body left or right. Built-in inertia dynamic stabilization system can keep the direction of frontward and backward, however, it cannot guarantee the stability of left and right. When you drive Airwalk Self-Balancing Scooter, please shift your weight in order to overcome the centrifugal force and improve the security of turning



## 3. Control and Information Display Device

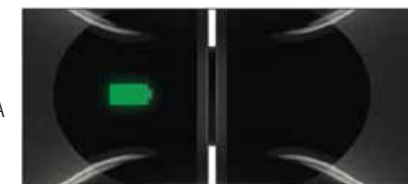
### 3.1 Mat Sensor

There are four sensors under the mat, when the user steps on Airwalk Self-Balancing Scooter mats, it will automatically initiate the self balance mode.

- A. While driving Airwalk Self-Balancing Scooter, you must ensure that you are stepping on the foot mats, please don't step on any other area besides the mats.
- B. Please do not put items on the mats, which will make Airwalk Self-Balancing Scooter switch on, and increase the probability of collision and cause injury to people or damage to Airwalk Self-Balancing Scooter.

### 3.2 Display Board

Display board is located on the middle of the Airwalk Self-Balancing Scooter. It is for displaying the current information of Airwalk Self-Balancing Scooter



### Self-Balance Scooter.

- A. **Battery Display:** This solid green LED light indicates the Airwalk Self-Balancing Scooter is fully charged and ready to use. Flashing green LED light indicates that the battery is low and needs to be recharged shortly. When the LED light becomes red the battery is depleted and needs to be charged immediately.
- B. **Running LED:** When the operator triggers the foot switches, the running LED will light up, which means that the system has entered the running state; when the system has an error in operation, running LED light will turn to red.

#### 4. Safe-use of Airwalk Self-Balancing Scooter

We hope every user can drive Airwalk Self-Balancing Scooter safely and enjoy the fun. You can recall the memories of learning how to ride a bicycle, drive a car, ski or use other similar means of transportation; all these experiences can be applied to our product.

1. Please follow the related content in this user manual. We strongly recommend that you read the user manual carefully before riding Airwalk Self-Balancing Scooter the first time. Check whether tires are damaged, or parts are loose before driving. If there is any abnormal situation, please contact local dealer for repair.
2. Do not use the Airwalk Self-Balancing Scooter incorrectly to endanger the safety of persons or property. Do not modify the parts of Airwalk Self-Balancing Scooter, it will affect the performance of Airwalk Self-Balancing Scooter, and can cause serious injury.

##### 4.1 User's Weight Limit

The following two points are the reason for a weight limit:

1. To ensure the safety of the user.
  2. To reduce damage due to overload.
- Maximum Load: 120 kg.
  - Minimum Load: 23 kg.



**OVERWEIGHT USE MAY INCREASE POSSIBILITY OF INJURY.**

##### 4.2 Maximum Range

There are a lot of factors that will affect driving range, such as:

- Grade: A smooth, flat surface will increase the driving distance, while an incline or hilly terrain will reduce the distance.
- Weight: The weight of the driver can affect driving distance.
- Ambient temperature: Please ride and store Airwalk Self-Balancing Scooter under recommended temperature, which will increase driving distance.
- Maintenance: A consistent battery charge will help increase the mileage and life of the battery.
- Speed and Driving Style: Maintaining a moderate speed will increase distance, on the contrary, frequent starting, stopping, acceleration and deceleration will reduce the distance.

##### 4.3 Speed Limit

- Airwalk Self-Balancing Scooter's top speed is 10 KM/H.
- When the speed is close to the maximum allowable speed, the buzzer alarm will ring.
- Airwalk Self-Balancing Scooter can keep the user in balance within the specified speed. If the speed exceeds the specified speed; Airwalk Self-Balancing Scooter will take the initiative to tilt the driver so as to bring the speed down to a safe range.

#### 5. Learning to Drive

It is important to learn and remember the related warnings and notes before driving Airwalk Self-Balancing Scooter.

##### 5.1 Operation Procedure

###### Step 1: Start Airwalk Self-Balancing Scooter

Open the charging port of vehicle and press the power button.

###### Step 2: Prepare driving

1. Put Airwalk Self-Balancing Scooter on a flat surface.
2. Put one foot on pad that will trigger pedal switch and turn on indicator light, after the system enters the self-balancing mode, then put the other foot on the other pad.

###### Step 3: Control Airwalk Self-Balancing Scooter

After standing up successfully, keep your balance and center of gravity stable while Airwalk Self-Balancing Scooter is in stationary state. Make small forward or backward movements through body, remember **DO NOT MAKE SUDDEN MOVEMENTS**.



**WARNING!**

**WARNING! DO NOT JUMP** onto the Airwalk Self-Balancing Scooter, this will cause severe damage to structure; carefully step onboard only.



**NOTE:**

If user stands on Airwalk Self-Balancing Scooter, and platform is not at the level state, the buzzer will alarm and warning indicator will light up.

###### Step 4: Control Turning

Lean your body slightly left, Airwalk Self-Balancing Scooter will turn to the left; lean right, and it will turn to the right. The right foot forward will turn left and the left foot forward will turn right.

###### Step 5: Get off

Keep Airwalk Self-Balancing Scooter balanced; get one foot down, then the other foot off mat quickly.



Control Turning



Driving Schematic



**NOTE:**

Do not turn sharply or at high speed to avoid danger. Do not drive and turn around quickly on slopes, it may cause serious injury.

### 5.2 Safe Mode

During operation, if there is a system error or illegal operation, Airwalk Self-Balancing Scooter will prompt drivers in different ways. An alarm indicator lights up, buzzer sounds intermittently, and the system cannot enter self-balancing mode.

- If you get on the Airwalk Self-Balancing Scooter, while the platform is forward or backward more than 10 degrees.
- Battery voltage is too low.
- In charging mode.
- In driving status, platform begins to tilt, stop driving.
- Over-speed.
- Battery has a short.
- Motor temperature is too high.
- Airwalk Self-Balancing Scooter body rocking back and forth over 30 seconds.
- System enters protection mode, alarm indicator will be lighted up, buzzer will alarm.
- The platform is leaned forward or backward more than 35 degrees, Airwalk Self-Balancing Scooter will engine off.
- Tires blocked, Airwalk Self-Balancing Scooter will halt after 2 seconds.
- Battery is low the Airwalk Self-Balancing Scooter will engine turn off after 15 seconds.
- Sustained high discharge rate during performance (such as driving up long steep slope), Airwalk Self-Balancing Scooter will engine off after 15 seconds.



When Airwalk Self-Balancing Scooter goes into engine off, system will halt, press foot pad to unlock. Do not continue driving Airwalk Self-Balancing Scooter when the battery is exhausted or the system initiates the stop state, it may lead to danger. Continued driving under low power will affect battery life.

### 5.3 Practice Driving

Learn how to ride Airwalk Self-Balancing Scooter in an open field until you can get on and off the vehicle, travel forward and backward, and turn and stop easily.

- Dress in casual clothes and flat shoes.
- You can drive Airwalk Self-Balancing Scooter in outdoor space until you can easily control. Get on, forward, backward, turning, get off.
- Drive on flat surface.
- You can drive Airwalk Self-Balancing Scooter in different terrain, but please slow down in an unfamiliar terrain.
- Airwalk Self-Balancing Scooter is design to be a personal transporter and to drive on flat ground, if you drive in different terrain, please slow down in an unfamiliar terrain.
- If you are not skilled at driving Airwalk Self-Balancing Scooter, please avoid driving it in a crowded place. When you go through a door, please make sure Airwalk Self-Balancing Scooter can pass easily and mind your head.

### 6. Safe Driving

This section provides some safety knowledge and cautionary statements, teaching you about the safety precautions before using the Airwalk Self-Balancing Scooter.

To ensure that you can safely drive Airwalk Self-Balancing Scooter, please be sure to read product manuals and comply with the relevant safety instructions. Please note all the safety warnings and safety precautions that are mentioned in the product manual, which can make driving Airwalk Self-Balancing Scooter safer more fun.



- When you are driving Airwalk Self-Balancing Scooter, make sure to take all the safety measures, such as: wear a helmet, knee pads, elbow pads and other protective gear.
- Airwalk Self-Balancing Scooter should only be used for personal use, and is not designed for commercial applications or use on public roads or pathways.
- It is prohibited to use on any roadway. Check with your local traffic and council authorities to confirm where you can safely ride and obey the laws that apply.
- Do not allow children, the elderly, or pregnant women to ride it.
- DO NOT jump on the Airwalk Self-Balancing Scooter as it will cause damage and result in possible injury.
- Do not drive after drinking or using drugs.
- Do not carry items when you are driving Airwalk Self-Balancing Scooter.
- Please be alert to things in front or far away from you, keeping good vision will help keep you safe.
- Legs should be relaxed, knees slightly bent, to help you keep balance when you encounter uneven ground.
- Make sure the feet are always riding on the pads.
- Airwalk Self-Balancing Scooter should only be driven by one person; it cannot be driven by two or more people.
- Users and their belongings should not exceed the maximum load of 100 kgs; In addition, the driver should not be less than 23 kgs.
- When you drive Airwalk Self-Balancing Scooter along with other users, please keep distance between each other to avoid a collision.
- You should always keep in mind your height has increased 20 cm, be carefully when you pass doors or other overhead or overhanging obstacles.
- To keep better balance; Do Not make sharp turns.
- Do not engage in distracting activities when driving Airwalk Self-Balancing Scooter, such as talking on the phone, listening to music, or engaging in any other similar activities.
- Do not drive on slippery surfaces or on rainy days, reverse turning while at high-speeds or long range high-speeds.
- Do not drive in dark places.
- Avoid driving on surfaces such as snow, ice, and slippery flooring.
- Do not drive in surfaces with obstacles, such as twigs, litter or small stones, etc.
- Avoid driving in narrow spaces.
- Avoid driving on a steep slope.
- Avoid driving in unsafe places, including around flammable gas, steam, liquid, and dust, fiber which could cause fire or an explosion accident.



## 7. Usage of Battery

This section mainly describes the charging method of Airwalk Self-Balancing Scooter, how to maintain the battery, some security issues, and battery specifications.

For users' safety, and the maximum extent of prolonging the battery life and improved battery performance, please follow the following operations using the battery.

### 7.1 Battery Power

You must stop driving if Airwalk Self-Balancing Scooter displays low power, or it may affect lifetime use and cause dangerous situations.

- Don't use the battery if the following occurs.
- Emits odor or overheats.
- Don't touch any leaking materials.
- Children and animals are forbidden to touch the battery.
- The charger must be taken out before installing or driving or it may cause danger.
- Battery contains dangerous substances, do not open the battery, do not insert anything into the battery.
- Please use the charger provided with Airwalk Self-Balancing Scooter.
- Don't charge the battery that has been overly discharged. It should be discarded for safety.
- Airwalk Self-Balancing Scooter battery should be disposed of according to local law.

### 7.2 Charging process

USE ONLY SUPPLIED CHARGER WITH THIS SCOOTER

- Ensure charging port is dry.
- Plug the charging cable into the Airwalk Self-Balancing Scooter, make sure green indicator lights up, then connect the cable with the power supply (100V ~ 240V; 50, 60 Hz).
- The red light indicates that it has begun to charge, if still green check whether the cable is connected.
- When the indicator light goes from red to green, it indicates that battery is fully charged. At this time, please stop charging, over-charging will affect lifetime use.
- Use local standard plug.
- The charging time is about 2-3 hours.
- Keep the charging environment clean and dry.

### 7.3 Temperature

The best charging temperature is 0°C ~40°C. Over cold and over heat will not completely charge the battery.

### 7.4 Description of Battery

Contents	Parameters
Battery	Lithium Battery
Charging time	2-3h
Voltage	36V
Initial Capacity	2-4Ah
Working Temperature	-15°C~50°C
Charging Temperature	0°C~40°C
Storage Time (-20°C-25°C)	12 months
Storage Humidity	5% -95%

## 7.5 Shipping Notes



Lithium battery contains dangerous articles. Ship lithium only according to local law.



Please contact Airwalk Self-Balancing Scooter or our authorized agent for parts and Airwalk Self-Balancing Scooter can send to you according to your requirements.

## 8. Storage and Maintenance

Airwalk Self-Balancing Scooter requires the user to do routine maintenance.

This chapter describes maintenance steps and important operating tips.

Before you perform the following operations, ensure the power and charging cable are disconnected.

If the battery is charging, the operation is not allowed.

### 8.1 Clean Airwalk Self-Balancing Scooter

- Disconnect the charger and turn off Airwalk Self-Balancing Scooter.
- Wipe the cover.
- Avoid using water or other liquids on the Airwalk Self-Balancing Scooter for cleaning. The IP is 54. If water or other liquids seep into Airwalk Self-Balancing Scooter, it will cause permanent damage to the internal electronics.



### 8.2 Storing your Airwalk Self-Balancing Scooter

- Fully charge your battery before storing.
- If you store SAirwalk Self-Balancing Scooter more than one month, please charge the battery at least once every three months.
- If the storage ambient temperature is below 0°C, please do not charge. You can bring the Airwalk Self-Balancing Scooter into a warm environment (above 10°C) for charging.
- To prevent dust from entering the Airwalk Self-Balancing Scooter, you should cover Airwalk Self-Balancing Scooter.
- Store Airwalk Self-Balancing Scooter indoors in a dry and suitable temperature. If you do not use it for a long time, please do not connect the power.



DO NOT OPEN THE SCOOTER CASE FOR ANY REASON.  
 Opening the case will void the warranty.  
 There are no user serviceable parts inside.

## 9. Airwalk Self-Balancing Scooter Parameters

单位：mm



Style	Parameter	Remark
Net Weight	11 kgs (24.2 lbs)	Shipping weight is 11kgs
Load	23 - 100 kgs (50.6 - 220 lbs)	Including rider and cargo
Maximum speed limit	10 KM/H (6.2 mph)	Do not exceed
Range	14 - 24 KM (8.69 - 14.9 miles)	Terrain, riding style and payload may affect range Load affects climbing limit
Max climbing limit	15°	
Minimal turning radius	0°	
Battery	Lithium-ion	
Power requirement	AC100 -240V/50 -60 HZ	Global compatible
Dimensions	58 *19 *17.8cm (22.83" * 7.48" * 7")	
Ground clearance	38 mm (1.5")	
Platform height	114 mm (4.49")	
Tire	non -pneumatic hollow tire	
Battery voltage	36 V	
Battery capacity	4400 mAh	
Motor	2 @ 350W	
Shell Material	ABS	
Charge time	100% in 4 hours	80% in 2 hours

## 10. Packing List

Number	Product Name	Quantity
1	Airwalk Self-Balancing Scooter	1
2	Charger	1
3	Product Manual	1
4	Airwalk Self-Balancing Scooter Carry/Storage bag	1

## 11. Troubleshooting

Airwalk Self-Balancing Scooter has a self-examination function, such as sensors, the system static current, system dynamic current, motor speed fluctuation, etc.  
 You can contact our service department to solve problems.

Enjoy your Airwalk Self-Balancing Scooter!

## 12. How to Perform a System Reboot



**Step 1** Place scooter on a completely flat surface.

**Step 2** Align both halves with each other.



**Step 3** Align the scooter to be parallel with the floor.



**Step 4** Hold the button until you hear a loud singular beep. Then release.



**Step 4**

- Front lights will start to flash as will the battery light.
- The front LED lights will quickly flash 5 times.
- This is the scooter resetting itself to the flat surface.



**Step 5** Press power button again to turn off.

**Step 6** Turn the scooter on again and it is ready to ride.

Warranty: this product is covered under a 90 day warranty against manufacturers defects only.  
 Any visible use, abuse, alteration, improper storage or exposure to the elements (water or excessive humidity) is not covered. For customer service please contact [warranty@ptxusa.com](mailto:warranty@ptxusa.com) or call (657) 845-8800