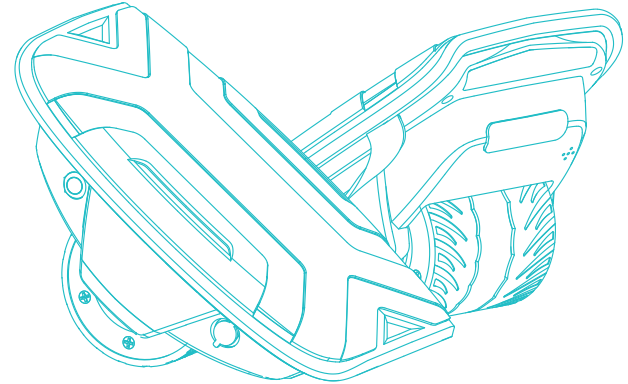




# **ZUUM Shoes**

## USER MANUAL



*ZUUM Technologies reserves the right to make changes to the product and update this manual at any time. Visit [www.zuumtech.com](http://www.zuumtech.com) to download the latest user manual.*

**[www.zuumtech.com](http://www.zuumtech.com)**

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Thanks for choosing ZUUM Shoes!

Before riding, please be sure to read and follow the instructions provided in this manual.

Enjoy riding!



## 1. Riding Safety

- 1.** ZUUM Shoes are a recreational product. Before mastering riding skills, you need to practice. ZUUM Technologies LLC is not responsible for any injuries or damage caused by a rider's inexperience or failure to follow the instructions in this document.
- 2.** Whenever you ride ZUUM Shoes, you are at risk of injury or death from loss of control, collisions and falls. You can reduce the risk by following all of the instructions and warnings in this manual, but you cannot eliminate all of the risks. When riding in public spaces, always comply with local laws and regulations. As with other vehicles, faster speeds require longer braking distances. Sudden braking on smooth surfaces can lead to wheel sliding, loss of balance, or falls. The ZUUM Shoes are designed to be ridden on a flat hard surface which is free of obstacles and bumps. Be cautious and always keep a safe distance between you and other people or vehicles when riding. Be alert and slow down when entering unfamiliar areas.
- 3.** Always wear a helmet when riding. Use an approved bicycle or skateboard helmet that fits properly with the chin strap in place, and provides protection for all parts of your head.
- 4.** Do not attempt your first ride in any area where you might encounter children, pedestrians, pets, vehicles, bicycles, or other obstacles and potential hazards.
- 5.** Respect pedestrians by always yielding the right of way. When approaching a pedestrian from the front, stay to the right and slow down. Avoid startling pedestrians. When approaching from behind, announce yourself and slow down to walking speed when passing. Pass on the left whenever possible. Please obey local traffic laws and regulations.
- 6.** In places without laws and regulations governing self-balancing electric vehicles, comply with the safety guidelines outlined in this manual. ZUUM Technologies LLC is not responsible for any property damage, personal injury/death, accidents, or legal disputes caused by violations of the safety instructions.
- 7.** Do not allow anyone to ride your ZUUM Shoes on his/her own unless he/she has carefully read this manual. The safety of new riders is your responsibility. Assist new riders until they are comfortable with the basic operation of the ZUUM Shoes. Make sure each new rider wears a helmet and other protective gear.
- 8.** Before each ride, check for loose parts or damaged components. If the ZUUM Shoes make abnormal sounds or signals an alarm, stop riding immediately and contact after-sales service.
- 9.** Be alert! Scan both far ahead and in front of your ZUUM Shoes – 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).

**10.** To reduce risk of injury, you must read and follow all "CAUTION", "Tips" (\*), and "WARNING" notices in this document. Do not ride at an unsafe speed. Under no circumstance should you ride on roads with motor vehicles. The manufacturer recommends riders be 6+ years old. Always follow these safety instructions:

- A. People who should not ride ZUUM Shoes include:
- i. Anyone under the influence of alcohol or drugs.
  - ii. Anyone who suffers from disease that puts himself/herself at risk if he/she engages in strenuous physical activity.
  - iii. Anyone who has problems with balance or with motor skills that would interfere with their ability to maintain balance.
  - iv. Anyone whose weight is outside the stated limits (see Specifications).
  - v. Pregnant women.

☐ B. Riders under the age of 16 years old should ride under adult supervision.

☐ C. Comply with local laws and regulations when riding this product. Do not ride where prohibited by local laws.

D. To ride safely, you must be able to clearly see what is in front of you and you must be clearly visible to others.

E. Do not ride in the snow, in the rain, or on roads which are wet, muddy, icy, or that are slippery for any reason. Do not ride over obstacles (including, but not limited to, sand, loose gravel, or sticks). Doing so could result in a loss of balance or traction and could cause a fall.

F. Do not ride the ZUUM Shoes in the rain. Riding in the rain may cause the ZUUM Shoes to be immersed in water, resulting in function damage and even a risk of fire and explosion due to a wet battery pack. Damage and losses caused by water submersion are not covered by the Limited Warranty.

G. Do not accelerate or decelerate suddenly. If the ZUUM Shoes tilt back, you have reached the speed limit, slow down. Do not overpower the speed limiter, you may put yourself at risk of injury from loss of control, collisions and falls.

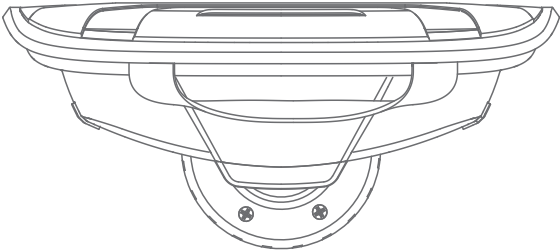
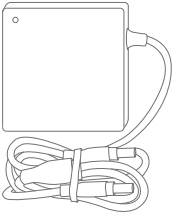
**11.** Do not attempt to charge your ZUUM Shoes, if the charger or the power outlet is wet.

**12.** As with any electronic device, use a surge protector when charging to help protect your ZUUM Shoes from damage due to power surges and voltage spikes. Only use the charger supplied by ZUUM Technologies LLC. Do not use a charger from any other product.

**13.** Use only ZUUM Technologies approved parts and accessories. Do not modify your ZUUM Shoes. Modifications to your ZUUM Shoes could interfere with the operation of the ZUUM Shoes, resulting in serious injury and/or damage, and could void the Limited Warranty.

## 2. Packing List

Charger



Mainframe ×2

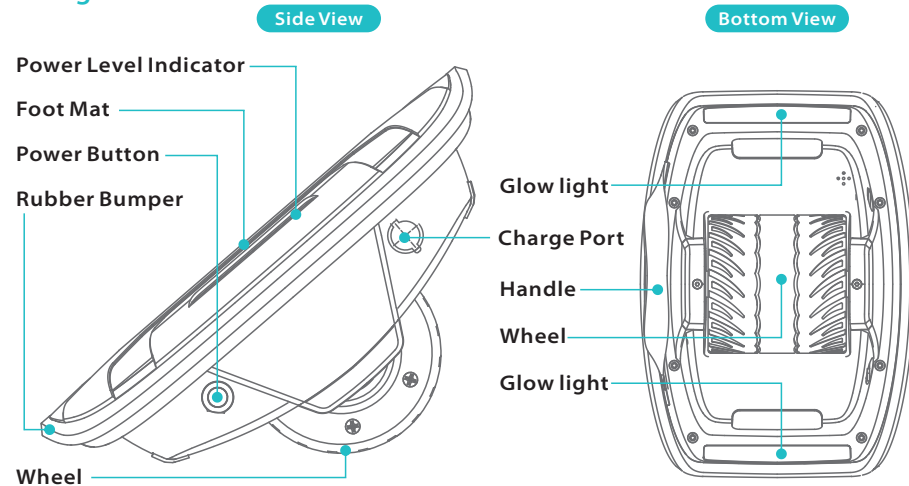
### User Materials



When unpacking your ZUUM Shoes, please verify that the above items are including in the package. If you are missing any components, please contact our customer service team at [contact@zuumtech.com](mailto:contact@zuumtech.com)

Always power off your ZUUM Shoes and unplug the charging cable before cleaning.

### 3. Diagram



#### ● Power ON/OFF:

⚠ The ZUUM Shoes must be on the ground when powered on or off. To avoid injury do not touch the wheel with any part of your body.

● **Power on:** Press the power button, the power level indicator lights will turn on and the ZUUM Shoes will beep once.

● **Power off:** Press the power button, the power level indicator lights will turn off and the ZUUM Shoes will beep once.

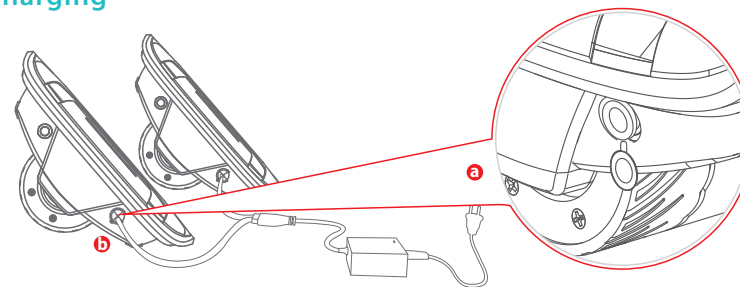
● **Glow light:** After the ZUUM Shoes are powered on, if the battery is more than 40%, the ZUUM Shoes will show a green light; if the battery is less than 40%, the ZUUM Shoes will show a yellow light; if the battery is less than 10%, the ZUUM Shoes will show a red light.



● **Handle:** While the ZUUM Shoes are powered off, use the handle to lift and carry.

⚠ Always turn off the ZUUM Shoes before you lift it off the ground.

### 4. Charging



**a** Open the rubber cap

**b** Insert the plug into the charge port

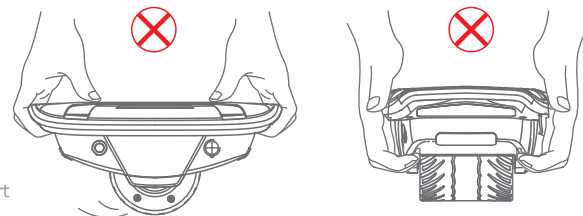
\* You can charge both mainframes at the same time.

Your ZUUM Shoes are fully charged when the LED on the charger changes from red (charging) to green (trickle charge). Close the rubber cap when not charging.

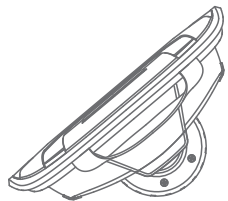
### 5. Before riding

⚠ There are safety risks when learning to ride the ZUUM Shoes. You must read this User Manual.

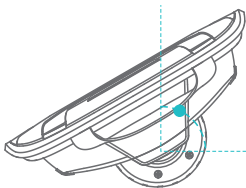
⚠ Whenever the ZUUM Shoes are powered on, they must stay on the ground. To avoid injury, do not touch the wheel with any part of your body.



Standby Mode: The ZUUM Shoes will enter Standby Mode when the ZUUM Shoes are powered on and parked on the ground.



Balance Mode: The ZUUM Shoes will enter Balance Mode when they are gently touched on the tilted end.



If the ZUUM Shoes do not detect a rider within 3 minutes after entering Balance Mode, the ZUUM Shoes will be powered off automatically.



**⚠ Do not press the edge of the ZUUM Shoes while in Balance Mode if you are not riding it. Doing so could force the ZUUM Shoes to move rapidly. It may lead to serious injuries for you or others.**

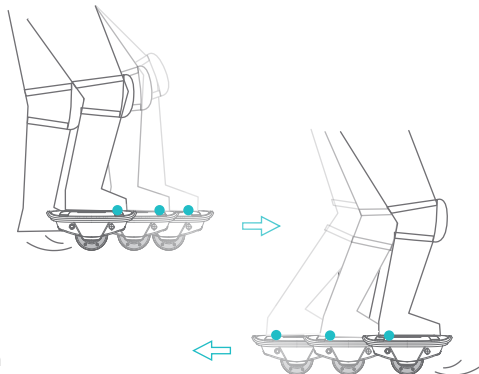
## Features

a. There is no front or back of the ZUUM Shoes. You can step on from either direction.

b. When the ZUUM Shoes are in Balance Mode, place one foot on the middle mainframe's foot mat. Give gentle pressure on the front end of the foot mat, the ZUUM Shoes will go forward; give gentle pressure on the rear end of the foot mat, it will go backwards.

\* If the ZUUM Shoes cannot enter Balance Mode and beeps an alarm, try restarting them. If the problem persists, please contact after-sales service.

c. The ZUUM Shoes are very sensitive. Relax when riding and keep your center of gravity steady.



## 6. Learning to Ride

### ⚠ WARNING

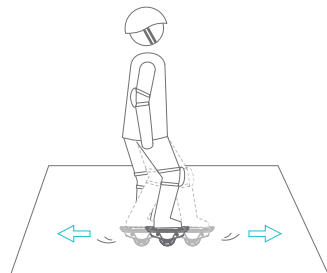
Rider must weigh between 22–220 lbs(10–100 kg).



Wear an approved helmet and other protective gear to minimize any possible injury.

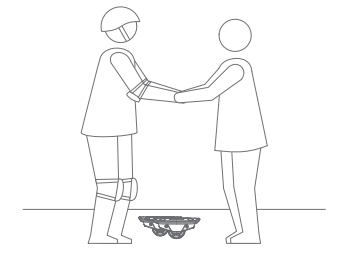
### 1. Vehicle Control Practice

- Turn on one mainframe, put single foot on the middle of the foot mat, then swing back and forth to feel the control.
- Switch to the other foot, then swing back and forth to feel the control.



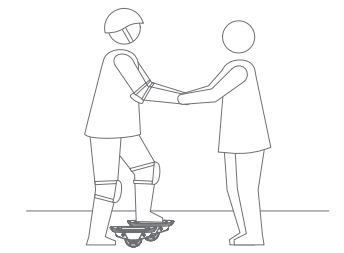
### 2. Get Ready

Ask a friend to assist you on your first ride. Go to a large open area. Place both mainframes shoulder width apart and put them into Balance Mode.



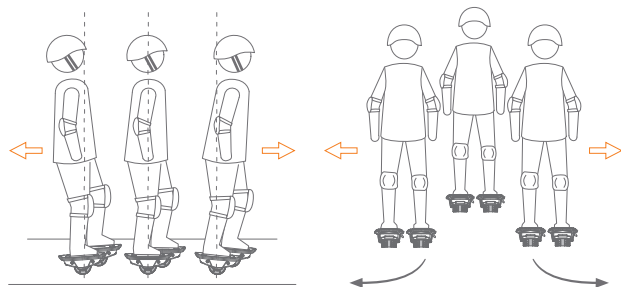
### 3. Stepping On

With assistance from your friend, put one foot on the middle of the mainframe's foot mat. When comfortable, stand straight and look straight ahead while stepping up with your other foot. Try to avoid rocking back and forth.



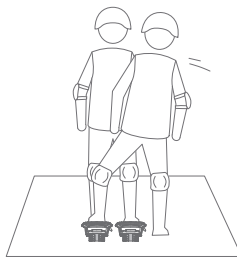
#### 4. Ride

With your friend nearby, slowly lean forward and feel the ZUUM Shoes move forward. Slowly lean backward and feel it move backwards. Turn your whole body left or right gently to turn with the ZUUM Shoes.



#### 5. Stepping Off

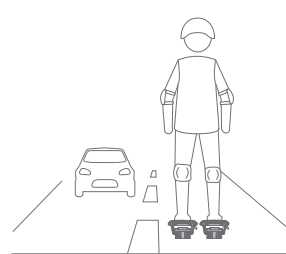
To step off, gently slow down to a controlled stop. Slowly shift your weight to one foot and place your opposite foot on the ground.



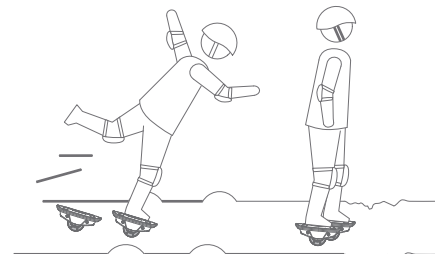
### 7. Learning More

#### 8. Warnings

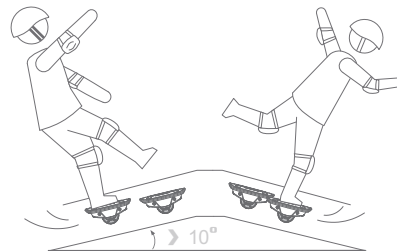
⚠ You must read and understand the Warnings and Riding Safety instructions in this manual before attempting to ride the ZUUM Shoes. Failing to follow these warnings could result in death or serious injury due to: loss of balance, traction or control; collisions; falls.



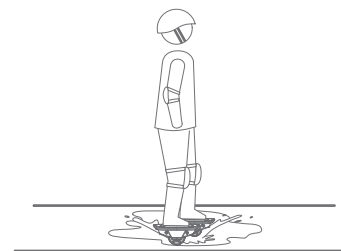
⚠ Do not ride on public roads, motorways, highways, or streets.



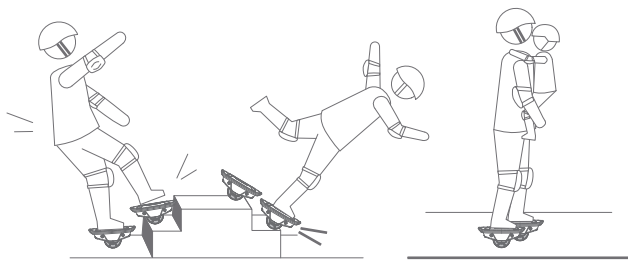
⚠ Do not traverse bumps or uneven terrain.



⚠ Avoid slopes steeper than 10°.

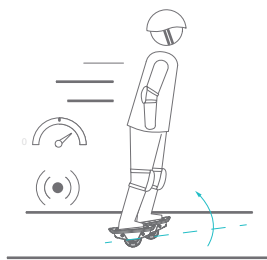


⚠ Do not ride through puddles or other bodies of water.

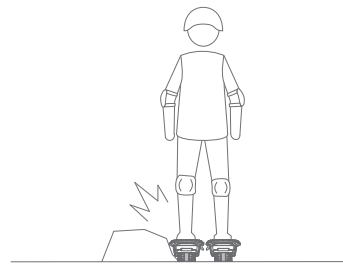


⚠ Do not ride over holes, curbs, steps, or other obstacles.

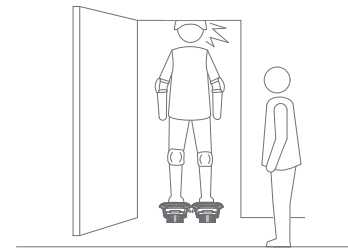
⚠ Do not carry any passengers. Do not carry a child. Do not ride when pregnant.



⚠ Do not accelerate when the ZUUM Shoes tilt back or sound an alarm. Do not accelerate when the speed limiter is activated. Slow down.



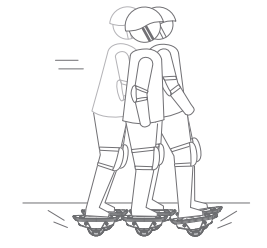
⚠ Avoid contacting obstacles with the tire/wheel



⚠ Watch your head when passing through doorways.



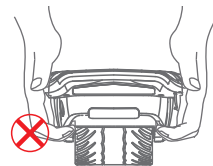
⚠ Do not attempt stunts of injury of any kind. Always keep both feet on the foot mats.



⚠ Do not rock back and forth or shift your weight abruptly.



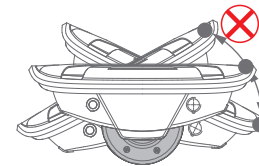
⚠ Do not ride on low traction surfaces (including, but not limited to, wet ground, loose sand, loose gravel, and ice).



⚠ Do not lift the ZUUM Shoes when powering on or after powered on. The wheels will spin, causing a high risk of injury.



⚠ Do not ride with high heels. Always ride with properly strapped closed toe shoes.



⚠ Do not press the edge of the ZUUM Shoes while in Balance Mode if you are not riding them.

Doing so could force the ZUUM Shoes to move rapidly. It may lead to serious injuries for you or others.



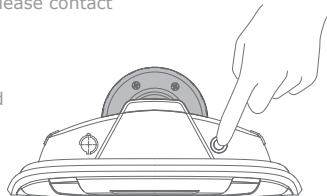
## 9. Calibration and Alarms

### ● Calibration

When in Balance Mode, if the ZUUM Shoes move forward or backward on its own on flat ground, it needs to be calibrated. If the problem persists, please contact after-sales service.

#### To Calibrate the ZUUM Shoes:

Place the ZUUM Shoe upside down on flat ground and power it off, press the button for 5 seconds until you hear it beep 3 times. This will complete calibration.



⚠ Once powered on, the ZUUM Shoe must stay on the ground. To avoid injury do not touch the wheel with any part of your body.

### ● Alarms

#### a. Overheating

Riding for an extended period of time could increase the internal temperature of your ZUUM Shoes in excess of 122°F(50°C). If this happens, the glow lights will flash red, an alarm will sound and your ZUUM Shoes will not be able to charge. Simply step off the ZUUM Shoes, power them off, and give them time to cool back down to a normal operating temperature.

⚠ To avoid injury, do not touch or ride the ZUUM Shoes while there is an alarm and the glow lights are flashing red.

#### b. Other Alarms

For any other alarms, try restarting your ZUUM Shoes. If the problem persists, please contact after-sales service.

## 10. Maintenance

### Cleaning and Storing Your ZUUM Shoes

Use a soft, wet cloth to wipe the mainframe clean. Stubborn dirt can be scrubbed with a toothbrush, then cleaned with a soft, wet cloth.

### NOTE

Do not wash your ZUUM Shoes with alcohol, gasoline, acetone, or other corrosive/volatile solvents. These substances may damage the appearance and internal structure of your ZUUM Shoes. Do not wash your ZUUM Shoes with a power washer or high pressure hose.

### ⚠ WARNING

Make sure the ZUUM Shoes are powered OFF, the charging cable is unplugged, and the rubber cap on the charge port is tightly seals before cleaning; otherwise you may expose yourself to electric shock or damage the electronic components.

Store your ZUUM Shoes in a cool, dry place. Do not store them outdoors for extended periods of time. Exposure to sunlight and temperature extremes (both hot and cold) will accelerate the aging process of the plastic components and may reduce battery life.

### Battery Pack Maintenance

Do not store or charge the battery at temperatures outside the stated limits (see Specifications). Do not expose the battery to fire. Do not discard or destroy the battery. Refer to your local laws and regulations regarding battery recycling and/or disposal.

A well maintained battery can perform well even after many miles of riding. Charge the battery after each ride and avoid draining the battery completely. When used at room temperature (70°F [22°C]) the battery range and performance is at its best; whereas using it at temperatures below 32°F (0°C) can decrease range and performance. Typically, at 14°F(-10°C) range can be half that of the same battery at 70°F (22°C). Battery range will recover when temperature rises.

### NOTE

Typically, a fully charged battery should retain charge for 120-180 days. Remember to charge the battery after each use. Completely draining the battery may cause permanent damage to the battery. Electronics inside the battery record the charge-discharge condition of the battery; damage caused by over-discharge or under-discharge will not be covered by the Limited Warranty.

### ⚠ WARNING

Do not attempt to disassemble the battery. Risk of fire. No user serviceable parts.

### ⚠ WARNING

Do not ride when the ambient temperature is outside the machine operation temperature(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.

## 11 . Specifications

Product	Name	ZUUM Shoes
Weight	Max Payload	220 lbs (100 kg)
	Net (single wheel)	Approx. 7.1lbs (3.2kg)
Dimensions	Unit	252*179*112mm
Product Parameters	Max Speed	Approx. 8 mph (12 km/h)
	Typical Riding Time [1]	1 - 1.5 hours
	Max Slope [2]	10 degree
	Traversable Terrain	Easily Travel flat, tile, wood, and rough grounds
	Operating Temperature	14–104°F (-10–40°C)
	Storage Temperature	-4–122°F (-20–50°C)
	IP Rating	IP54
	Max. Storage Time	Approx. 180 days/100% power Approx. 30 days/30% power
	Charge Time (for both mainframes)	Approx. 2 hours
Battery	Nominal Voltage	25.9 V
	Max. Charging Voltage	29.4 ±0.1 V
	Battery management system	Yes
Charger	Output Power	45 W
	Input Voltage	100-240 VAC
	Output Voltage	29.4 VDC
	Output Current	1.5A

[1] Typical Riding Time: tested while riding under full power, 165 lbs (75 kg) load, 77°F (25°C), 8 mph (12 km/h) average speed on flat hard ground.

[2] Max. Slope: tested while riding with the payload of 165 lbs (75 kg) and speed less than 3 mph (5km/h).

## 12. Certification

Electromagnetic Compatibility Directive & Low-Voltage Directive



ZUUM Technologies LLC, declares that the equipment listed in this section are in compliance with the essential requirements and other relevant provisions of Directives 2014/30/EU & 2014/35/EU.

## 13.Trademark and Legal Statement

ZUUM Technologies and ZUUM Shoes are trademarks of ZUUM Technologies LLC, registered in the United States and other countries. The respective owners reserve the rights of their trademarks referred to in this manual.

ZUUM Shoes are covered by relevant patents. For patent information email [contact@zuumtech.com](mailto:contact@zuumtech.com).

We have attempted to include descriptions and instructions for all the functions of the ZUUM Shoes at the time of printing.

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