

HOVERZON

SELF-BALANCING SCOOTER USER MANUAL

Model: S and XLS

hoverzon.com



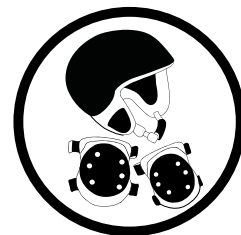
It is important that you follow all safety warnings that appear throughout this manual and exercise good judgment when using your Hoverzon board. Consult this manual before you attempt to use your board. If you have questions not answered by this manual, contact Hoverzon customer service.

WITHIN THIS MANUAL, "THE HOVERZON", "YOUR HOVERZON", "YOUR BOARD" AND "THE BOARD" REFER TO BOTH THE S AND XLS MODELS UNLESS ADJACENT DETAILS INDICATE DIFFERENCES BETWEEN THE MODELS. THE HOVERZON IS A PERSONAL SCOOTER THAT USES SELF-BALANCING TECHNOLOGY. PLEASE NOTE THIS TECHNOLOGY CANNOT PREVENT INJURY IF YOU DO NOT USE THE PRODUCT AS INDICATED IN THIS MANUAL.

RISK OF SEVERE INJURY

Assumption of Risk: By riding our Hoverzon, the user acknowledges and accept responsibility of all risks associated with the use of the Hoverzon Self-balancing Scooter which may include, but are not limited to, muscle injuries, broken bones, lacerations, serious injury, and possible death, which may be sustained while using the Hoverzon.

To better insure your safety, read and follow all instructions and warnings in the User Manual.



**ALWAYS USE APPROPRIATE
PROTECTIVE GEAR.**

Table of Contents

SECTION 1 : GENERAL INFORMATION	01	3.2 RIDING GUIDELINES	15
1.1 ABOUT THE MANUAL . . . . .	.01	3.3 RANGE PER CHARGE	18
1.2 THE RISK OF DRIVING . . . . .	.01	3.4 MAXIMUM SPEED	19
1.3 PARENTAL NOTICE . . . . .	.01	3.5 MAXIMUM INCLINE	19
1.4 BEFORE YOU BEGIN	02	SECTION 4 : USAGE	20
1.5 IMPORTANT INFORMATION	02	4.1 OVERALL	20
1.6 DISPOSE AT END OF LIFE.	04	4.2 STEP BY STEP	20
SECTION 2 : PRODUCT INTRODUCTION	05	4.3 RIDING MODES	22
2.1 PACKAGING . . . . .	.05	4.4 PRACTICING	22
2.2 SPECIFICATIONS . . . . .	.06	4.5 CALIBRATION	23
2.3 DIAGRAM OF PARTS. . . . .	.07	4.6 BLUETOOTH® (XLS ONLY)	24
2.4 PEDAL SENSORS	08	SECTION 5 : BATTERY INFORMATION	26
2.5 INDICATORS . . . . .	.09	5.1 AEGIS ARMOR	26
2.6 HOW IT WORKS.	12	5.2 CHARGING.	27
SECTION 3 : SAFETY INFORMATION	14	5.3 SAFETY WARNINGS	28
3.1 GENERAL GUIDELINES. . . . .	.14	5.4 SPECIFICATIONS	31

SECTION 6 : MAINTAINING YOUR HOVERZON	32
6.1 CLEANING . . . . .	.32
6.2 STORAGE . . . . .	.32
6.3 TRANSPORTATION	33
1 YEAR LIMITED HARDWARE WARRANTY	34

Section 1 : General Information

1.1 About the Manual

Before operating this vehicle, please read all instructions. This User Manual will guide you through the functions, usage, and proper care of your Hoverzon. If you have any questions or cannot find the information you need in the manual, please contact your place of purchase or our customer service immediately.

1.2 The Risk of Riding

The Hoverzon is a self-balancing transportation and recreational device. It has undergone rigorous testing to ensure its safety. As with most motorized and/or recreational products, no matter when and where, there is a possibility you may crash, fall off, lose control, etc. Please read this manual carefully and follow the instructions so as not to put your safety or that of others at risk.

1.3 Parental Notice

PARENTAL/ADULT SUPERVISION IS NECESSARY WITH CHILDREN UNDER 13 FOR UTMOST SAFETY.

HOVERZON CAN BE USED BY CHILDREN FROM AGES 8+ AND PERSONS WITH REDUCED PHYSICAL, SENSORY OR MENTAL CAPABILITIES OR LACK OF EXPERIENCE AND KNOWLEDGE, IF THEY HAVE BEEN GIVEN SUPERVISION AND/OR INSTRUCTION CONCERNING USE OF THE HOVERZON IN A SAFE MANNER AND UNDERSTAND ALL HAZARDS INVOLVED.

- Children shall not play with the charging device.
- Cleaning and product maintenance should not be done by children without supervision.

1.4 Before You Begin

Check that the battery is fully charged before operating. Please find more details in Section 5 of the manual.

1.5 Important Information

When reading this manual, please pay attention to the following.



Notes with this icon **MUST** be read and understood to prevent injury, damage, etc.



Notes with this icon include relevant information.

DECLARATION OF CONFORMITY:

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.

FCC RELATED INFORMATION:

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.

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

1.6 Dispose at End of Life

This product must not be disposed of by incineration, landfilling, or mixing with household trash. Improper disposal of the battery contained within this product may result in the battery heating up, rupturing, or igniting which may cause serious injury. The substances contained inside the battery present chemical risks to the environment. The recommended disposal for any Hoverzon at its end-of-life is to dispose of the entire unit at or through an e-Waste recycling center, program, or facility. Local regulations and laws pertaining to the recycling and disposal of lithium ion batteries and/or products containing them will vary according to country, state, and local governments. You must check laws and regulations corresponding to where you live in order to properly dispose of the battery and/or unit. It is the user's responsibility to dispose of their waste equipment properly in accordance with local regulations and laws.

For additional information about where you should drop off your batteries and electrical or electronic waste, please contact your local or regional waste-management office, your household waste disposal service, or your point-of-sale.

Section 2 : Product Introduction

2.1 Packaging

Hoverzon S	Hoverzon XLS
1x Hoverzon S Scooter	1x Hoverzon XLS Scooter
1x Charger	1x Charger
1x Manual	1x Manual
2x Rubber bumpers	2x Rubber bumpers



Bumpers do not come attached and may be installed wherever you feel is best in regards to protecting your board's casing.

2.2 Specifications

The following specifications apply to your Hoverzon S.

HOVERZON S	Net Weight	22 lbs	Max. Load	220 lbs
	Dimensions	23 x 4 x7 inch	Min. Load	44lbs
	Chassis Material	Durable shell with UL approved material	Speaker	N/A
	Tire Material	Hard Rubber Tire	Power	100V / 240V
	Speed*	2-8 mph	Battery Type**	Lithium Ion Battery
	Climbing Capacity	30°	Charger Voltage***	42Vdc, 2A

The following specifications apply to your Hoverzon XLS.

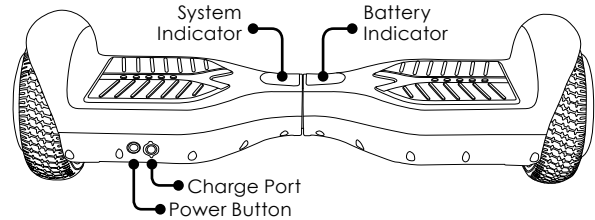
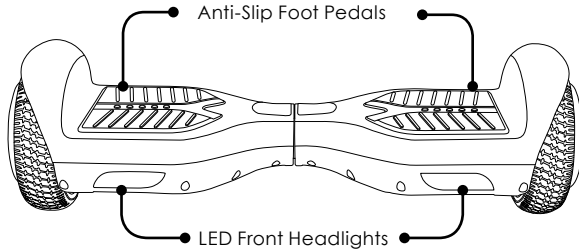
HOVERZON XLS	Net Weight	22 lbs	Max. Load	220 lbs
	Dimensions	23 x 4 x7 inch	Min. Load	44lbs
	Chassis Material	Durable shell with UL approved material	Speaker	Bluetooth® 2.0 EDR
	Tire Material	Hard Rubber Tire	Power	100V / 240V
	Speed*	2-8 mph	Battery Type**	Lithium Ion Battery
	Climbing Capacity	30°	Charger Voltage***	42Vdc, 2A

* Speed and ranges listed are on approximation. **Aegis Armor Multilayer Battery.

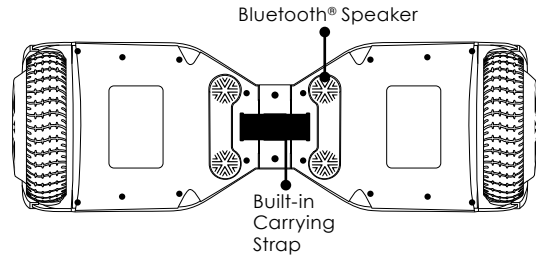
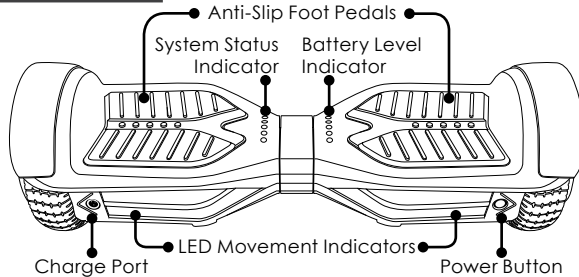
*** Model SPS-T844202000-C8 manufactured by SHENZHEN DOKOCOM ENERGY TECHNOLOGY CO LTD (E307126).
Input:100-240Vac,50/60Hz, Output:42Vdc,2A

2.3 Diagram of Parts

Hoverzon S



Hoverzon XLS



2.4 Pedal Sensors







Every Hoverzon board has sensors corresponding to its pedals. When a user steps on a pedal, the board will adjust itself to balance automatically.



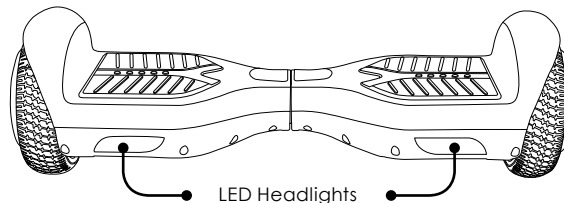
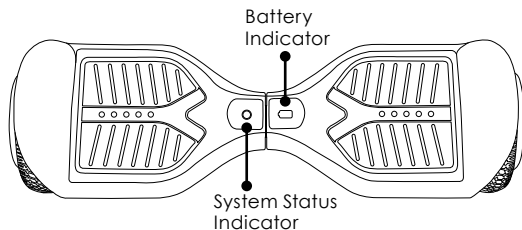
- When riding, be sure both feet are always touching the pedals for proper detection.
- Do not step on the parts around the pedal as the board will not detect you and may malfunction.
- Do not lean too far back or forward.
- Do not ride on steep slopes or inclines over 30°.
- Do not put objects on the pedals. The board may malfunction and move on its own which may cause damage to the unit itself or surrounding objects or persons.
- Do not step on the center of the board. This may break your Hoverzon and/or cause severe injury.

2.5 Indicators

For the Hoverzon S, the indicators are located on the top and front of the board and include basic Battery Level and System Status Indicators. See below for details.










Hoverzon S			
Battery Indicator	 Fully Charged	 Below 10%	 Charging
System Status Indicator	 Operating	 Error	—
LED Headlights	 Operating	—	—

Hoverzon S



- **Battery Indicator:** Green lights means the battery is fully or sufficiently charged. Red lights mean the battery life is at or below 10% and should be charged immediately. This Indicator is on top of the board.
- **System Status Indicator:** Blue light means the system is on and operating normally. If the system experiences an error, the indicator will turn red. This Indicator is on top of the board.
- **LED Headlights:** When the pedal sensors are activated, the Headlights will light up. The Headlights are on the front of the board.

For the Hoverzon XLS, the indicators are located on the top and front of the board and include detailed Battery Level, System Status, and Movement Indicators. See below for details.

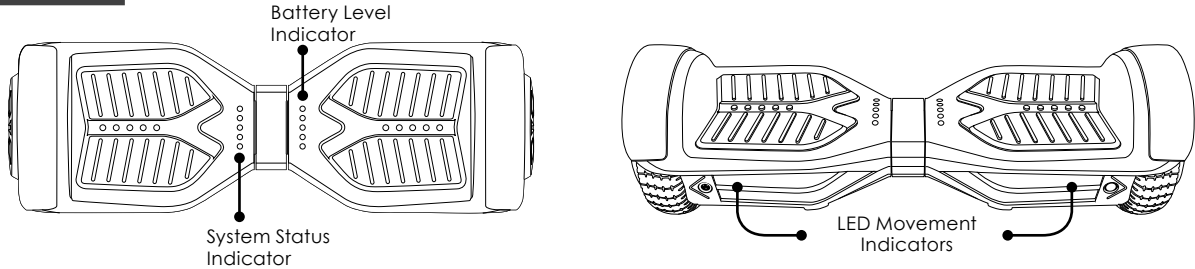
Hoverzon XLS					
Battery Level Indicator	 Fully Charged	 80% Charged	 60% Charged	 40% Charged	 20% Charged ^o
System Status Indicator	 Operating	—	—	—	—
Movement Indicator	 Moving forward/backward	 Breaking	 Turning right or left ^{oo}		

^o Stop riding and recharge immediately when the indicator is flashing. ^{oo} The indicators turn green and/or flash when turning different directions.



If the System Status Indicator light on top of the board turns off and beeping sounds follow, please dismount the board as soon as it is safe to do so. If you continue use, then the board may not self-balance and you may fall. Charge or make adjustments as needed; Please see Section 4 for details on calibration.

Hoverzon XLS

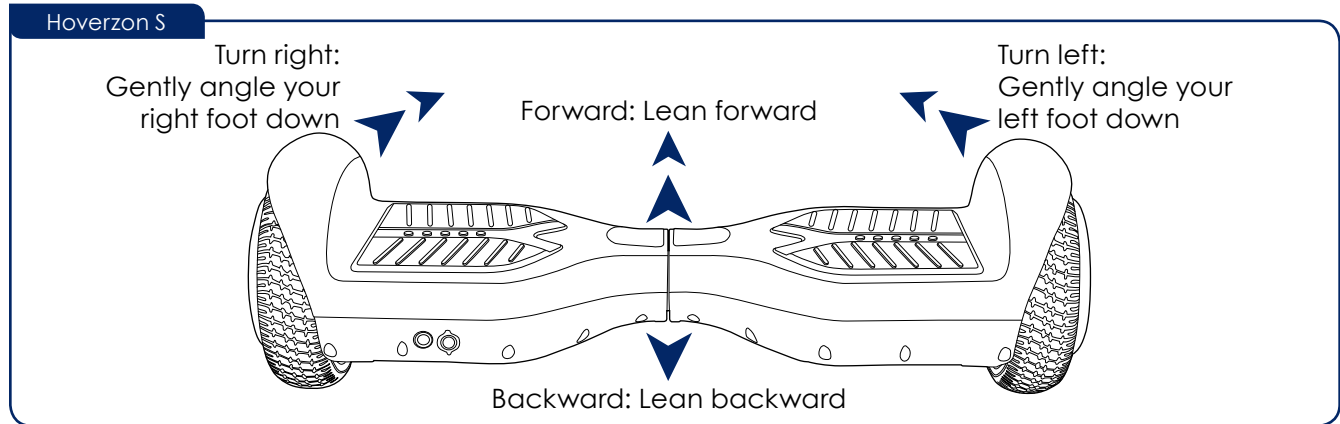


- **Battery Level Indicator:** A full line of blue lights means the battery is fully charged. As battery life depletes, lights will go out one by one. When there is only one light left, battery life is at or below 20% and the unit should be charged immediately. This Indicator is on top of the board.
- **System Status Indicator:** Green light means the system is on and operating normally. This Indicator is on top of the board.
- **Movement Indicators:** When the pedal sensors are activated, front and rear indicators will light up. The indicators will light up blue on the side corresponding to the direction you are going i.e. on the front side when going forward and back side when going backwards. The indicators may turn green and/or flash when turning opposite of the direction. Braking or stopping suddenly will cause indicators to light up red on the side opposite of the direction you are going i.e. on the back side when going forward and front side when going backwards. These Indicators are on the front and back of the board.

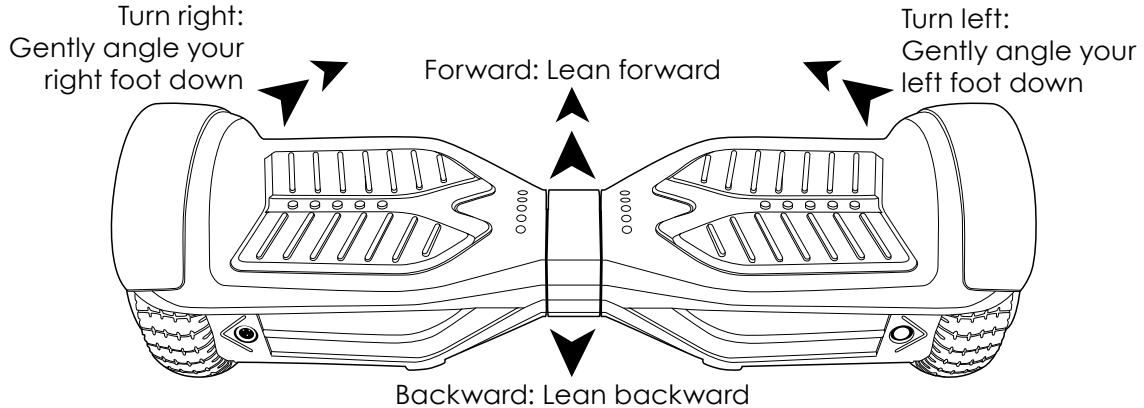
2.6 How It Works

The Hoverzon self-balances and moves because of dynamic equilibrium. It uses an internal gyroscope and other sensors to move based on your center of gravity. When you lean forward, it will sense your motion and accelerate. When you need to turn or slow down, gently shift the weight on your left or right foot to turn in that direction.

The Hoverzon has an internal dynamic balancing system that keeps you upright. However, it will stop proper stabilization if you lean too far left or right or take a foot off the board. Slow down before turning or you may fall off and sustain injury.



Hoverzon XLS



It is strongly recommended that you finish reading this manual in its entirety before attempting to use your Hoverzon. Sections 3 and 4 contain very important instructions and information.

Section 3 : Safety Information

It is our sincere hope that you can enjoy your Hoverzon safely. Please read the following guidelines carefully.

3.1 General Guidelines

- Before riding, make sure the tires are undamaged and mechanical parts are not loose. If anything abnormal, please contact customer service immediately and do not operate the board.
- Do not modify the mechanical parts of the Hoverzon. Any modifications by unauthorized persons can cause unexpected results and will not be covered under warranty.
- If the internal system encounters an error or is being operated incorrectly, an alarm and the indicator may activate.
- When you step on the board, it may tilt forward or backward up to 10°. It may not function if tilted more.
- The board will not function if the life of the battery is too low. It will power off shortly to protect the battery.
- The board will not function while charging.

- The board will not function upside down.
- The board will not function if there is too much vibration caused by unstable terrain.
- If the battery life is too low or if the battery itself is overworked, the Hoverzon will enter into power off mode to protect the battery.
- When the Hoverzon enters into a shutdown state, the system will lock down the board automatically. It can be unlocked by pressing the power button.
- Do not operate near flammable vapor, liquids, dust or fibers, and other fire hazards.
- Only ride the Hoverzon where it is permitted. You must comply with local laws and give way to pedestrians.

3.2 Riding Guidelines

- Always wear shoes, a helmet, and appropriate safety gear, such as knee and elbow pads, when riding. It's recommended to use a proper, well-fitted helmet with a chin strap and suitable protection for the front, back, and sides of your head.
- Do not ride without proper practice. **PLEASE REVIEW THIS MANUAL BEFORE USE.**
- When steering, pay attention to your body's center of gravity. A sudden shift may cause you to fall.

- Avoid obstacles and slippery surfaces as these could result in a loss of balance or traction.
- Do not ride at high speeds, on uneven terrain, or steep slopes.
- Avoid riding over obstacles and slippery ground such as snow, ice, and wet surfaces.
- Do not ride in the rain.
- Do not ride backwards for long distances or at high speeds. Be especially careful when riding backwards and turning.
- Avoid riding on surfaces made of cloth, small branches, and stones.
- Avoid riding in narrow spaces.
- When going through doors or entryways, remember you are taller on the Hoverzon.
- Do not perform stunts.
- Do not start, stop, or turn abruptly.
- If using a Hoverzon near other Hoverzon boards, keep a safe distance to avoid collisions.
- Never place anything on the pedals except your feet. Doing so could interfere with the sensors and/or balancing system and may allow the board to travel on its own and cause injury/damage to you, others, or surroundings.

- Never step off of the board when it is in motion. This may result in injury to you, others, and/or damage the board.
- Do not allow more than one person at a time on the board.
- Do not ride your Hoverzon while intoxicated or under the influence of any prohibited drugs, prescription or otherwise.
- Always comply with local laws and give way to pedestrians and do not ride in traffic.
- Ensure the vehicle speed is safe to yourself and others, and be ready to stop if needed.
- All riders must weigh at least 44lbs (20kg) but not exceed 220lbs (100 kg).
- Carrying items while riding is not recommended.
- Children, the elderly, and pregnant women should not ride the Hoverzon.
- Relax your legs while riding, knees slightly bent. This helps maintain balance when you encounter uneven ground.
- In the event of an accident, please contact EMS / 911 right away.



Although the board is designed to be as stable as possible for a design that utilizes two self-balancing wheels, it is possible to “override” the board and tip over if riding too fast. Be

alert. Scan both far ahead and in front of the Wheels—Your eyes are your best tools for safely avoiding obstacles and unsafe environmental conditions.



ALWAYS WEAR A HELMET AND APPROPRIATE SAFETY GEAR.

3.3 Range Per Charge

The range per charge may vary upon multiple factors. Different factors will determine how much power the Hoverzon uses at different points so the overall range may not be the same for each and every journey. Consider the following factors:

- Topography: Smooth or even terrain will increase range. Rough terrain or inclines will reduce it.
- Weight: The higher the user's weight, the more power the board may use; range may reduce with higher weight.
- Temperature: If the board gets too hot or too cold, range will decrease.
- Maintenance: Proper charging and battery care will increase range. Improper maintenance will reduce it.
- Speed and riding style: Moderate, consistent speeds will increase it. Overly frequent starts, stops, acceleration, and deceleration will reduce it.

3.4 Maximum Speed

The normal speed range of the Hoverzon is 2-8 MPH / 3-12.8 km/hr and subject to terrain. If the user exceeds the maximum speed of 8MPH, the board will sound an alarm. At normal speeds, the board's balancing system will function properly. When the speed is faster than the normal speed range, the board's balancing system may not work properly and you may lose balance and/or fall off your board.

3.5 Maximum Incline

Do not operate on hills or slopes with inclines of 30° or more. On lesser inclines, the board should function well. When the incline is steeper than recommended, the board's balancing system may not work well and you may lose balance and/or fall off your board. Additionally, when the incline is steeper than recommended, the board's battery may become overworked and the board may soon shut off to protect the battery.

Section 4 : Usage

4.1 Overall



PLEASE READ THE STEP BY STEP INSTRUCTIONS ON THE FOLLOWING PAGE BEFORE ATTEMPTING TO USE THE BOARD.

As these steps are detailed, please read over the whole section before attempting to use the board. Knowing all the steps beforehand will help you understand if the board is functioning properly when you first use it.

4.2 Step by Step

Assuming you have equipped suitable protective gear and that the Hoverzon has been placed on a level surface, is well charged, and does not have any issues with the internal system, follow the steps below. For your safety, please read all steps before attempting use.

Step 1: Press the power switch to turn the board on.

Step 2: Gently step on one pedal to activate the sensor. This will cause the indicator(s) to light up to show that your weight has been detected and that the board has entered self-balancing mode. Next, quickly step on with your other foot.

Step 3: Stand upright but relaxed. Do not make any sudden movements.

Step 4: Lean slightly forward or backward to shift your weight and move forward or backward respectively.

Step 5: Lean slightly in the direction you want to turn. Leaning slightly left will shift more pressure to the left pedal and cause the board to turn left. Leaning slightly right will shift more pressure to the right pedal and cause the board to turn right.

Step 6: To get off, stop the board, then step off one foot at a time. Take extra care when dismounting for the first time.



- The board moves because the pedals transmit information to the sensors and internal balancing system. Its movement is affected by your weight and shifts in your center of gravity and/or the core of your body. It is important to be highly aware of your movements.
- Putting pressure on one pedal for too long may cause you to turn in circles and result in loss of balance. Be aware of how little or how much pressure you need to turn.
- Attempting to keep still or in place atop the board for long is not recommended as this is not its intended purpose.
- It is recommended to ride on relatively smooth terrain and not to move too quickly while you practice.



If the Hoverzon doesn't self-balance when you trigger the pedal's sensors, the indicator may light up with a red warning light. Do not operate the Hoverzon. Wait a few minutes and

try again. If you are on a slope, move the Hoverzon to flat ground. If this continues, please contact customer support. DO NOT OPERATE. If the Hoverzon flips over or rotates more than 180 degrees, motor and riding capability will be disabled. To restore normal functions, power off the Hoverzon and then power it back on. After this, continue to ride as normal.

4.3 Riding Modes

Each Hoverzon features two modes. To switch between modes, first power off then power on and quickly press the power button a second time. A confirmation beep will sound to alert you to a successful switch. If there is no beep, then the switch attempt was unsuccessful. Turn off the Hoverzon and try again. If the button is held too long, you may unintentionally enter calibration mode. If this occurs, recalibrate the Hoverzon before turning it off and trying again. See section 4.5 for calibration instructions.

Practice Mode: Ideal for new or inexperienced riders. This mode limits the board's maximum speed so you can practice balancing and basic movement.

Standard Mode: Experienced riders only. This mode removes speed restrictions and allows for full speed and movement capacities.

4.4 Practicing

Please continue practicing until you are comfortable with using all of the Hoverzon board's functions. See the following tips below.

- Wear casual clothing and flat shoes to maintain your flexibility and stability.
- Please practice until you can easily get on, move forward and backward, turn, stop, and dismount easily.
- Make sure the pavement is even. Do not ride on a slope until you are experienced.
- The Hoverzon is designed for relatively smooth terrain. When riding on uneven terrain, the user should slow down. Be careful or the board may lift off of the ground.
- Until you are comfortable using the board, avoid riding in places with pedestrians or obstacles.
- Be careful going through doorways as you are taller than normal while riding.

4.5 Calibration

If your Hoverzon seems to pull to the left or right abnormally, you may need to recalibrate its sensors. The process requires two levels, available at any hardware store. Additionally, many smartphones have free level apps as well.

Step 1: Start with the board powered off.

Step 2: Place each level atop each pedal.

Step 3: Rotate the board until both sides are level to the ground.

Step 4: While keeping the board level, press and hold the power button down for at least 3 seconds. The board will make the normal power on tone followed by a second tone to confirm the successful activation of the calibration mode.

Step 5: If desired, you may check if calibration mode is active by seeing if the System Indicator and front LEDs are flashing.

Step 6: With the board correctly levelled, power it off.

Step 7: Power on again and use as desired. The board should now be calibrated.

If the Hoverzon is still not calibrated correctly, return to step 1 and begin making minor adjustments.

4.6 Bluetooth® (XLS only)

The Hoverzon XLS model features a built-in Bluetooth® speaker. To use this feature, note the following steps below.

Step 1: Turn on the board to automatically turn Bluetooth® on.

Step 2: From your mobile device, turn Bluetooth® on, make it "discoverable", then search.

Step 3: Select "HOVERZON" to begin connecting.

Step 4: Play music as desired.

Step 5: To end the connection between the devices, turn off Bluetooth® from your mobile device.



- Turning on the board will automatically enable Bluetooth® i.e. Bluetooth® will become enabled and stay enabled as long as the board is powered on.
- Some mobile devices immediately become “discoverable” once Bluetooth® is activated. Please check the instructions of your Bluetooth® -enabled device for any trouble with this feature.
- Some mobile devices immediately search for other devices to connect to once Bluetooth® is activated. Please check the instructions of your Bluetooth® -enabled device for any trouble with this feature.
- As with most Bluetooth® devices, it is recommended to keep the connected devices within a reasonable distance from one another. The connection may be terminated or fail to work properly if the connected devices are too far apart.
- We are not responsible for providing instructions and/or troubleshooting skips, disruptions, and other issues caused by poor music streaming apps or services and/or other issues caused by low quality tracks on mp3 or other audio devices. Please check that there is not an issue with a service or individual track before troubleshooting the XLS's Bluetooth® feature.

Section 5 : Battery Information

Each Hoverzon features Aegis Armor technology which provides multilayered protection for the battery, mainboard, gears and guards against heat dispersion and fire hazards.

For the safety of yourself and others, and to extend the battery's life and improve battery performance, please be sure to observe the following information.

5.1 Aegis Armor

When the battery indicator is red, this indicates a low power level. It is recommended that you stop riding when this occurs. When the battery charge is low, there is not enough power for normal functions. The system will automatically stop and tilt the base of the platform to discourage you from using it. It is very easy to fall if you insist on riding at this time, and doing so will also affect the battery's overall life.

- Do not charge the battery under the following conditions:
 - Emission of odor or excessive heat
 - Leakage or physical damage
- Disassembly and battery maintenance should only be performed by an authorized professional.

- Do not touch or consume any substance leaking out of the battery.
- Only use chargers provided with your Hoverzon.
- Do not dispose of battery in fire.
- Battery operated motor vehicles may only be used under the permission of the local law.

If the charger provided with your Hoverzon is lost, misplaced or damaged, contact customer support to purchase a new charger.

5.2 Charging

Step 1: Locate the charging port on the side of the Hoverzon.

Step 2: Ensure the charging port is dry and otherwise free of debris.

Step 3: Plug the charger into the wall (100V-240V; 50,60Hz).

Step 4: Plug the other end into the Hoverzon. The red indicator light on the charger indicates that it is charging.

Step 5: When the Hoverzon is sufficiently charged, disconnect it from the charger.



If no charger light comes on, check that the charger is connected securely to the wall and to the board.



- Please charge in accordance with these instructions, otherwise the battery may sustain damage.
- The charging time is approximately 2-3 hours. Charging longer than that will affect overall battery life.
- Please keep the charging environment clean and dry.
- If the charging port is damp or obstructed, do not use it.

5.3 Safety Warnings

When Using the Battery



Misusing the battery may cause the battery to get hot, rupture, or ignite and cause serious injury. Be sure to follow the safety rules listed below:

- Do not pierce the battery with sharp objects, strike the battery, step on the battery, or otherwise subject it to strong impacts or shocks.
- Do not expose the battery to water or any liquids, or allow the battery to get wet.
- Do not disassemble or modify the battery. The battery contains safety and protection devices which, if damaged, may cause the battery to generate heat, rupture or ignite.

- Do not place the battery on or near fires, stoves, or other high-temperature locations.
- Do not place the battery in direct sunlight or use or store the battery inside cars in hot weather. Doing so may cause the battery to generate heat, rupture or ignite. Using the battery in this manner may also result in a loss of performance and a shortened life expectancy.



- If the device is to be used by children, the parent or guardian should explain the contents of the user manual to the children. The parent or guardian should provide adequate supervision to ensure that the device is being used as explained in the user manual.
- Immediately discontinue use of the battery if, while using, charging, or storing the battery, the battery emits an unusual smell, feels hot, changes color, changes shape, or appears abnormal in any other way.
- Do not place the battery in microwave ovens, high-pressure containers, or on induction cookware.
- In the event that the battery leaks and the fluid gets into one's eye, do not rub the eye. Rinse well with water and immediately seek medical care. If left untreated, the battery fluid can cause damage to the eye.

While Charging



Be sure to follow the rules listed below while charging the battery. Failure to do so may cause the battery to become hot, rupture or ignite and cause serious injury.

- When charging the battery, use the charger provided in the package.
- Do not place the battery in or near fire, or under direct sunlight.
- Do not continue charging the battery if it does not recharge within the specified charging time. Doing so may cause the battery to become hot, rupture or ignite.
- The temperature range within which the battery can be charged is 32°F ~ 104°F (0°C to 40°C). Charging the battery at temperatures outside of this range may cause the battery to become hot or to break. Charging the battery outside of this temperature range may also harm the performance of the battery or reduce the battery's life expectancy.

When Discharging the Battery



Do not discharge the battery using any device except for the specified device. When the battery is used in devices aside from the specified device it may damage the performance of the battery or reduce its life expectancy, and if the device causes an abnormal current to flow, it may cause the battery to become hot, rupture or ignite and cause serious injury.



The temperature range within which the battery can be discharged is -4°F ~ 131°F (-20°C to 55°C). Use of the battery outside of this temperature range may damage the performance of the battery or reduce its life expectancy.

5.4 Specifications

Aegis Armor

Battery	Lithium-Ion Battery Pack
Charging Time	2 - 3 hrs
Weight	~ 2.6 lbs / 1.2 kg
Working Temperature	5°F ~ 122°F (-15°C ~ 50°C)
Charging Temperature	32°F ~ 104°F (0°C ~ 40°C)
Dimensions	158 x 88.5 x 59.5 mm
Storage Humidity	65 ± 20%RH

Section 6 : Maintaining your Hoverzon

Your Hoverzon needs to be maintained. Please make sure that the board is completely powered off before you perform any type of cleaning or maintenance. Do not perform any maintenance when the power is on or when the battery is charging.

6.1 Cleaning

- Completely power off the board.
- Wipe the outer shell with a soft, dry cloth.
- The Hoverzon can withstand small splashes of water but do not submerge.



Do not let water or liquids get into the Hoverzon. It will cause permanent damage to the internal electronic components. Wipe all dirt from your Hoverzon and do not store in a dusty environment as, with all electronic devices, this may cause damage over time.

6.2 Storage

- Before storing, fully charge the Hoverzon to prevent battery over-discharge due to non-use.
- If storing the Hoverzon for more than one month, discharge and recharge the battery every three months.
- Cover the Hoverzon to keep dust out. Dust and sand can get in the motor and cause problems.

- Store the Hoverzon indoors at a dry and suitable temperature at 14°F ~ 122°F (-10°C to 50°C). DO NOT store in an unheated garage, shed, or other locations with extreme temperature fluctuations or ranges.

Only authorized repair centers may open and service the Hoverzon. Attempting to repair or modify your Hoverzon voids all warranties.

6.3 Transportation

For your safety, do not carry the board while it is powered on.

Hoverzon S

- Before moving, lifting, or otherwise transporting the board, turn it off.
- Next, place both arms under the board to support its weight.

Hoverzon XLS

- Before moving, lifting, or otherwise transporting the board, turn it off.
- Next, turn the board over carefully and locate the strap at the bottom center of the board.
- Grasp strap fully and firmly to lift and move and/or transport the board.



ONLY the XLS model comes with a built-in carrying strap.



The board weighs over 20lbs. If you are unsure of your ability to lift this amount of weight with one hand or arm, doing so is not recommended. Please lift the board with both arms or otherwise obtain the assistance of someone who may handle the weight without trouble.

1 Year Limited Hardware Warranty

Hoverzon offers a ONE YEAR limited warranty covering the hardware of HOVERZON Self-balancing scooter ("Product"), limited to those residing in the United States and Canada. This warranty gives you specific legal rights and you may also have other rights which vary from state to state. HOVERZON warrants the Product to be free from defects in materials and workmanship under normal use for one (1) year, as sold to the original purchaser, from the date of retail purchase by the original end-user purchaser. If a hardware defect arises and a valid claim is received within the warranty period, at its option and to the extent permitted by law, HOVERZON will: (1) repair the hardware defect by using new or refurbished parts that are equivalent to new in performance and reliability; or (2) exchange the product with a product that is new or refurbished, that is substantially equivalent to the original product. This warranty is for replacement for like-items only and does not cover items out of production if the company no longer stocks them. This warranty is not assignable or transferable. The original purchaser may call the toll-free number at 1-800-707-2655 for service request.

Upon HOVERZON's replacement or repair of a Product under warranty, the original end-user purchaser will have the remaining warranty under the original warranty period (without any postponement during repair or replacement). When a product or part is exchanged, any replacement item becomes your property and the replaced item becomes HOVERZON's property. Important: Do not disassemble the Product. Disassembling the Product will void this warranty. Only HOVERZON or a party expressly authorized by HOVERZON should perform service on this Product.

This warranty only covers technical hardware defectiveness during the warranty period and under normal use conditions. HOVERZON does not warrant uninterrupted or error-free operation of this Product. This Warranty does not apply to damages or circumstances, such as, but not limited to: (a) Damage that is caused by conditions, malfunctions, or damage not resulting in from defects in material or workmanship. These conditions include, but are not limited to, road hazard, accidents, and improper operation or maintenance; (b) Product has been tampered with, repaired and/or modified by non-authorized personnel; (c) Obsolescence; (d) Damage (accidental or other) to the Product that is cosmetic, meaning damage that does not impact the operation and functioning of the Product, such as without limitation to rust, change in color, texture or finish, wear and tear, scrapes, scratches, dents, cracks, or gradual deterioration; (e) Damage to the Product caused by war, terrorism, fire, accident, natural disaster, intentional or accidental misuse, abuse, neglect or improper maintenance, use under abnormal conditions, accidental drops, abuse or fire; (f) Damage to the Product caused by an external electrical fault, surge, or any electrical anomaly; (g) Any contamination, condition or other circumstance, which HOVERZON, in its sole discretion, considers a danger to health and safety, including, but not limited to any contact between the Product and a biohazard, bodily fluids, infectious materials/substance, chemicals, hazardous substances, diseases, radiation, or other; (h) Fraud, theft, misplacement, unexplained disappearance, or willful acts.

Limitation of Liability

In no event shall HOVERZON be liable for any incidental, indirect, special or consequential damages or liabilities (including but not limited to incidental or consequential damages for loss of time, inconvenience, loss of use of product, or any other consequential or incidental loss) in connection with the purchase, use, or operation of the product. HOVERZON is not liable for property damage, personal injury, or death.

TO THE EXTENT PERMITTED BY LAW, THIS WARRANTY AND THE REMEDIES SET FORTH ABOVE ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, REMEDIES AND CONDITIONS, WHETHER ORAL, WRITTEN, STATUTORY, EXPRESS OR IMPLIED. AS PERMITTED BY APPLICABLE LAW, HOVERZON SPECIFICALLY DISCLAIMS ANY AND ALL STATUTORY OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND WARRANTIES AGAINST HIDDEN OR LATENT DEFECTS. IF HOVERZON CANNOT LAWFULLY DISCLAIM STATUTORY OR IMPLIED WARRANTIES THEN TO THE EXTENT PERMITTED BY LAW, ALL SUCH WARRANTIES SHALL BE LIMITED IN DURATION TO THE DURATION OF THE EXPRESS WARRANTY AND TO THE REPAIR OR REPLACEMENT SERVICE AS DETERMINED BY HOVERZON IN ITS SOLE DISCRETION. NO RESELLER, AGENT, OR EMPLOYEE IS AUTHORIZED TO MAKE ANY MODIFICATION, EXTENSION, OR ADDITION TO THIS WARRANTY. IF ANY TERM(S) IS HELD ILLEGAL OR UNENFORCEABLE, THE LEGALITY AND ENFORCEABILITY OF THE REMAINING TERMS SHALL NOT BE AFFECTED OR IMPAIRED.

EXCEPT AS PROVIDED IN THIS WARRANTY AND TO THE MAXIMUM EXTENT PERMITTED BY LAW, HOVERZON IS NOT RESPONSIBLE FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM ANY BREACH OF WARRANTY OR CONDITION OR PERFORMANCE OF THE PRODUCT, OR UNDER ANY OTHER LEGAL THEORY, INCLUDING BUT NOT LIMITED TO LOSS OF USE; LOSS OF REVENUE; LOSS OF ACTUAL OR ANTICIPATED PROFITS (INCLUDING LOSS OF PROFITS ON CONTRACTS); LOSS OF THE USE OF MONEY; LOSS OF ANTICIPATED SAVINGS; LOSS OF BUSINESS; LOSS OF OPPORTUNITY; LOSS OF GOODWILL; LOSS OF REPUTATION; LOSS OF, DAMAGE TO, COMPROMISE, OR CORRUPTION OF DATA; OR ANY INDIRECT OR CONSEQUENTIAL LOSS OR DAMAGE HOWSOEVER CAUSED INCLUDING THE REPLACEMENT OF EQUIPMENT AND PROPERTY, ANY COSTS OF RECOVERING, PROGRAMMING OR REPRODUCING ANY PROGRAM OR DATA STORED IN OR USED WITH THE PRODUCT AND ANY FAILURE TO MAINTAIN THE CONFIDENTIALITY OF DATA STORED ON THE PRODUCT. THE FOREGOING LIMITATION SHALL NOT APPLY TO DEATH OR PERSONAL INJURY CLAIMS, OR ANY STATUTORY LIABILITY FOR INTENTIONAL AND GROSS NEGLIGENT ACTS AND/OR OMISSIONS. HOVERZON DISCLAIMS ANY REPRESENTATION THAT IT WILL BE ABLE TO REPAIR ANY PRODUCT UNDER THIS WARRANTY OR MAKE A PRODUCT EXCHANGE, AND IS UNABLE TO RECOVER ANY USER SOFTWARE OR DATA ON THE DEVICE.

HOVERZON