



14+ YRS

**SMART X  
HOVERBOARD**

# OWNER'S MANUAL



**NOTE: Manual illustrations are for reference only.  
Illustrations may not reflect the exact appearance of the actual product.  
Specifications are subject to change without notice.**

**Read and understand this entire manual before riding!**

**Customer Helpline**

**Hy-Pro advise you to contact us directly and not to return this item to the place of purchase.**

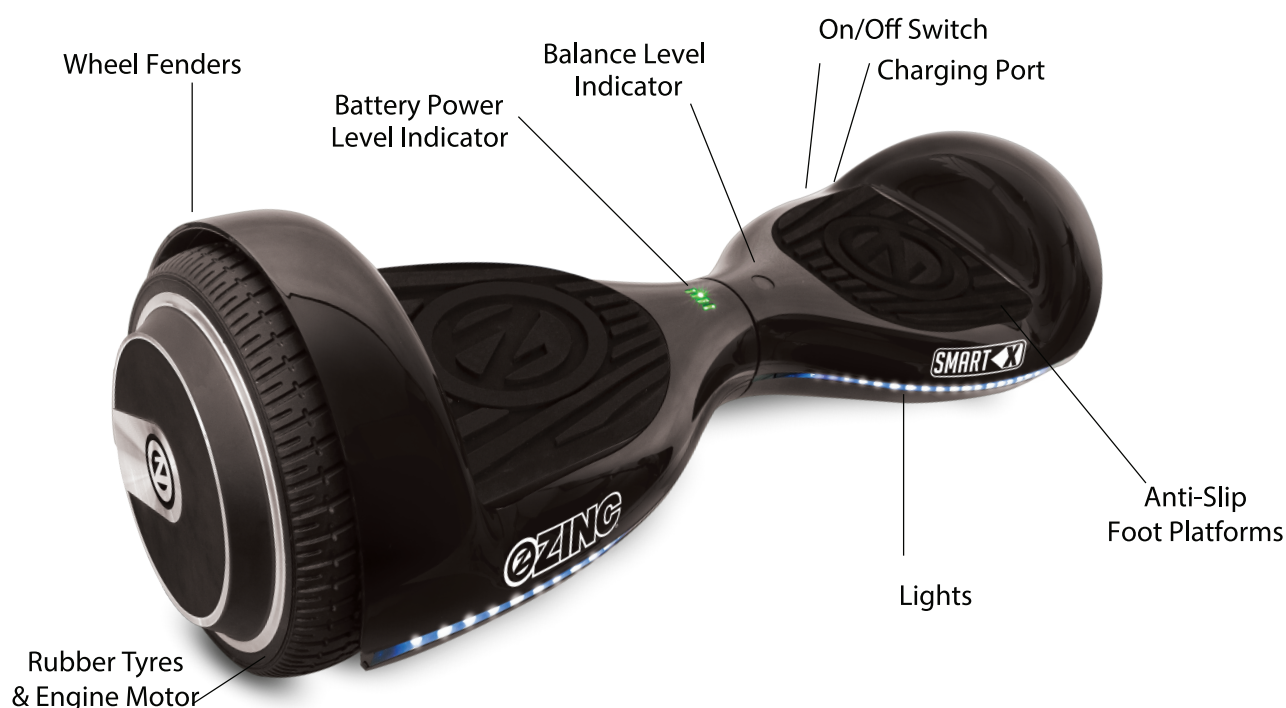
**Hy-Pro has taken great care to ensure this item has reached you in good condition, should you have a query, please ring our helpline 0800 731 0006 where your call will be dealt with promptly. Alternatively, please contact us on email: [info@hy-pro.co.uk](mailto:info@hy-pro.co.uk)**

**Need Help?** Visit our web site for replacement parts and product support [www.zincsports.com](http://www.zincsports.com) or call our customer service line on 0800 731 0006

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## PRODUCT OVERVIEW



The Smart X hoverboard is a technologically advanced Personal Mobility Device. It has two wheels that balance and transport the user using battery powered brushless motors. The Smart X hoverboard uses digital gyroscope modules and acceleration sensors to calculate the user's centre of gravity and move the device accordingly. The Smart X hoverboard can move forwards, backwards, turn in either direction or turn in place. The compact footprint and zero degree turning radius allow you to enjoy your Smart X hoverboard in so many ways. Suitable for outdoor use only.

### WHAT YOU NEED TO KNOW



Before you first experience your Smart X hoverboard, please read the OWNER'S MANUAL thoroughly and learn the basics to ensure your safety and the safety of others. It is highly recommended that your initial Smart X hoverboard experience should be with a helping hand who can assist you in centering your balance. Once you keep your centre of gravity even, you will be able to stand on the Smart X hoverboard without moving, similar to standing on the ground. The most important thing is to stay relaxed and confident. The Smart X hoverboard is very intuitive and senses the slightest motion, so finding your centre of balance is key. It is intended for use only by one person who is, at a minimum, completely comfortable and competent while operating the smart X hoverboard. Please follow the detailed directions outlined on pages 7-10.

## SAFETY WARNINGS - READ BEFORE USE



**WARNING!** - IMPROPER USE OF THE SMART X HOVERBOARD AND/OR FAILURE TO READ THIS OWNER'S MANUAL MAY LEAD TO SERIOUS BODILY INJURY AND/OR DEATH.

It is highly recommended to start your first Smart X hoverboard experience with a friend. Having a helping hand during initial use will increase your confidence and help you become acclimated to your Smart X hoverboard. Always wear the proper safety gear before operating.



**WARNING!** - Riding the hoverboard can be a dangerous activity. Certain conditions may cause components to fail without fault of the manufacturer. Like other electric vehicles, the hoverboard is intended to move, and it is therefore possible to lose control, fall off and/or get into dangerous situations that no amount of care, instruction or expertise can eliminate. If such things occur you can become seriously injured or die, even when using the recommended safety equipment and other precautions. **RIDE AT YOUR OWN RISK AND USE COMMON SENSE.**

This manual contains many warnings and cautions concerning the consequences of failing to inspect, maintain or properly use your hoverboard. Since any incident can result in serious injury or even death, we do not repeat the warning of possible serious injury or death each time such a possibility is mentioned.



**WARNING!** - Failure to read and understand "OPERATING THE SMART X HOVERBOARD" section of this manual increases risk of injury due to falls or other incidents.



**WARNING!** - NOT FOR RIDERS UNDER AGE 14 OR HEAVIER THAN 120 KG. DO NOT EXCEED THE WEIGHT LIMIT OF 120 kg. This includes backpacks and other items that might be carried. Exceeding the weight limit could injure the rider and damage the Smart X hoverboard. Rider weight does not necessarily mean a person's size is appropriate to maintain control of the hoverboard. Keep this product away from small children and remember that it is intended for use only by one person who, at a minimum, is completely comfortable and competent while operating the Smart X hoverboard.



**WARNING!** - ZINC emphasises that adults are strongly advised not to disregard ZINC's recommendations or allow younger children to ride the Smart X hoverboard. Hoverboards can and do present potential hazards plainly associated with their use. A parent's decision to allow his or her child to ride Smart X should be based on the child's maturity, level of skill and ability to follow instructions. The recommended rider age of 14 years or older is an estimate which can be affected by the rider's size, weight, or skills – please be aware not every rider 14 years old or older will be suited to the product.



**WARNING!** - Persons with heart conditions, head, back or neck conditions (or prior surgeries to these areas of the body), or pregnant women, should be cautioned not to operate this product.



**WARNING!** - Follow all local laws for pedestrians and vehicles. Check local laws and regulations to see where and how you may use your Smart X hoverboard legally.



**WARNING!** - Only use the Smart X hoverboard outdoors. Avoid obstacles and slippery surfaces as these could cause a loss of balance for yourself or hoverboard and could cause harm.



**WARNING!** - Do not turn the Smart X hoverboard on when in the air or lift it off the ground when already turned on. This could cause the wheels to spin and could result in injury to yourself or third parties.



**WARNING!** - Watch out for potential obstacles that could catch your wheel(s) or force you to swerve suddenly or lose control. Be careful to avoid pedestrians, skaters, skateboards, scooters, bikes, children or animals who may enter your path, and respect the rights and property of others.  
Never carry passengers or allow more than one person at a time to ride the Smart X hoverboard.



**WARNING!** - Always inspect the Smart X hoverboard prior to use. Properly inspecting and maintaining your product can reduce the risk of injury. Before each use, check that all parts are undamaged and in serviceable condition. Check that the parts are functioning properly and that the tyres are not damaged or worn excessively. The Smart X hoverboard should be maintained and repaired in accordance with the manufacturer's specifications, using only the manufacturer's authorised replacement parts, and should not be modified from the manufacturer's original design and configuration. Replace worn or broken parts immediately. Always check the battery charge before using the Smart X hoverboard. Do not ride the Smart X hoverboard when its battery is low as the Smart X hoverboard may stop operating and cause you to fall.



**WARNING!** - Risk of Fire – No User Serviceable Parts



**WARNING!** - Always be alert whilst using your Smart X hoverboard. Use it away from obstacles or hazards and watch out for pedestrians, animals and riders of other wheeled devices.



**WARNING!** - Do not touch the motor on the hoverboard when in use or directly after use as these parts can become extremely hot.

### APPROPRIATE RIDING ATTIRE

Always wear proper protective equipment such as:

- Approved safety helmet. Helmet may be legally required by law or regulation in your area.
- Elbow pads and knee pads.
- Long sleeved shirt, long trousers and gloves.
- Lace up shoes with rubber soles, never ride barefoot or in sandals, and insure that shoelaces are tied and kept out of the way of the wheels and drive system.

### SAFETY GUIDELINES

It is important to periodically review this information and make sure that you understand all warnings, cautions, safety topics and important instructions. Never let others ride the Smart X hoverboard until they have read this manual. In such situations serious injury or death could occur.

This manual contains important safety information. It is your responsibility to review this information and make sure that all riders understand all warnings, cautions, instructions and safety topics and ensure that young riders are able to safely and responsibly use this product. Zinc recommends that you periodically review and reinforce the information in this manual with younger riders, and that you inspect and maintain your children's Smart X hoverboard to insure their safety.

### RIDING PRACTICES & CONDITIONS

Check and obey any local laws or regulations which may affect the locations where the hoverboard may be used.

- Never use another vehicle to pull the hoverboard along.
- Do not ride your Smart X hoverboard in wet or icy weather and never immerse the hoverboard in water, as the electrical and drive components could be damaged by water or create other possibly unsafe conditions.
- The Smart X hoverboard is intended for use on flat, dry, smooth surfaces with level ground, without loose debris such as sand, leaves, rocks or gravel.
- Wet, slick, bumpy, uneven or rough surfaces may impair traction and contribute to possible accidents.
- Do not ride your hoverboard in mud, ice, puddles or water.
- Avoid excessive speeds that can be associated with downhill rides.
- Do not use the hoverboard indoors.
- Do not ride at night or when visibility is limited.

- Do not operate whilst under the influence of drugs or alcohol.
- The hoverboard should be used with caution since skill is required to avoid falls or collisions causing injury to the user or third parties.
- Never ride whilst using a mobile phone or wearing headphones.
- Never use near steps, water, or swimming pools.
- Never attempt stunts or tricks on the Smart X hoverboard.
- This product is not made to withstand abusive activities from curb grinding, jumping or any other type of misuse or stunts.
- Never allow more than one person at a time to ride the Smart X hoverboard.
- Do not ride on surfaces that could become damaged such as carpet or flooring.



**WARNING!** - Protective equipment should be worn at all times. Not to be used in traffic. 120KG max



**WARNING!** - FAILURE TO FOLLOW AND ADHERE TO THESE WARNINGS CAN INCREASE THE RISK OF ACCIDENTS AND SERIOUS INJURY. USE THE SMART X HOVERBOARD WITH CARE AND CAUTION.

## GETTING STARTED

It is highly recommended to start your first Smart X hoverboard experience with a friend. Having a helping hand during initial use will increase your confidence and help you become acclimated to your Smart X hoverboard. Always wear the proper safety gear before operating.

- Before riding, please read the Owner's Manual carefully, and follow all safety precautions.
- Improper use of this product can lead to property damage, serious bodily injury, and/or death.
- The information in this Owner's Manual will help you better understand, enjoy and maintain your Smart X hoverboard.

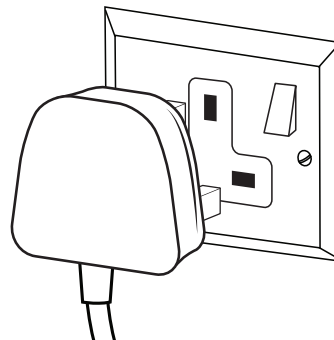
# CHARGING THE BATTERY

**NOTE-** Only the battery power level indicator light on the charger will tell you the status of the battery during charging.

## Step 1

Ensure that the charging port is clean and dry. Make sure that there is no dust, debris or dirt inside the charging port. Make sure the power is in the OFF position.

Plug the charger into the wall, turn the power ON and make sure the light on the charger is lit GREEN.



## Step 2

Connect the charging cable into the charging port of the Smart X hoverboard. The indicator light on the charger should change to RED, indicating that your Smart X hoverboard is now being charged. When the RED indicator light on your charger turns to GREEN, then your Smart X hoverboard is fully charged. A full charge typically occurs within 2-3 hours.



WHEN CARRYING OUT THE INITIAL CHARGE, PLEASE ENSURE THAT YOU CHARGE YOUR HOVERBOARD FULLY

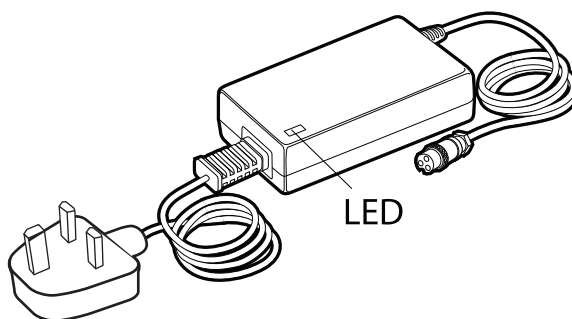
Charger - Note: The design and look of the charger may vary from the one shown

## Step 3

Please unplug the charger from your Smart X hoverboard and from the power outlet.

### Important Notes About Charging

- If the GREEN light on your charger does not turn RED when you plug it into your Smart X hoverboard, it could mean you have to check the cables to ensure you have a proper connection; or that your Smart X hoverboard is already fully charged. Press and hold your power button next to the charging port to check the status of your battery in the display.
- Do not overcharge, as this will affect the life of the battery.
- The best charging temperatures are between 0°C~40°C. Extreme cold and extreme heat will prevent your battery from charging fully.
- Make sure to unplug your charger before standing on or operating your Smart X hoverboard, as this can be very dangerous.
- Use only the Smart X hoverboard charger that you received in your box.
- If the Smart X hoverboard is powered on when you connect the plug, the battery power level indicator will begin blinking, if the Smart X hoverboard is powered off when you connect the plug, the battery power level indicator will not blink.
- The charger supplied with the Smart X hoverboard should be regularly examined for damage to the cord, plug, enclosure and other parts. In the event of such damage, the product must not be charged until the charger has been repaired or replaced.
- Use caution when charging.
- The charger is not a toy.
- Charger should be operated by an adult.
- Do not operate charger near flammable materials.
- Unplug charger and disconnect from product when not in use.
- Always disconnect from the charger prior to wiping down and cleaning your product with damp cloth.





# OPERATING THE SMART X HOVERBOARD

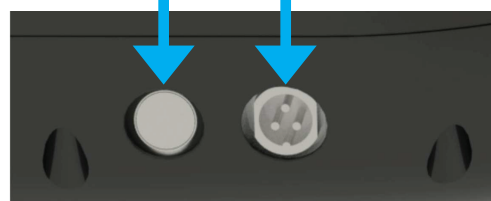
## STEP 1 - Charging Your Smart X Hoverboard

Make sure the Smart X hoverboard is fully charged before your initial use. For charging instructions, please follow details in **CHARGING THE BATTERY - PAGE 6**

## STEP 2 - Getting Started

Place your Smart X hoverboard flat on the floor. Press and hold the power button, located on the front of your Smart X hoverboard, next to the 3-pin charging port. You will hear a beep.

Power Button      Charging Pin Port



## STEP 3 - Checking The Display Board

Located in the centre of your Smart X hoverboard, the battery power level indicator light should be lit, indicating there is power to the device.

**A. Battery Power Level Indicator:** The Green LED light indicates the Smart X hoverboard is charged. Red LED light indicates the power is down 10%, when the LED light becomes red, please recharge the device.

(A) Battery power level indicator      (B) Balance level indicator



Blue LED lights



**B. Balance Level Indicator:** When the user triggers the foot platforms, the balance level indicator LED will light up, which means that the system enters the running state; when the system has an error during operation, the balance level LED light will turn red and you will hear the system alert you with a beep.

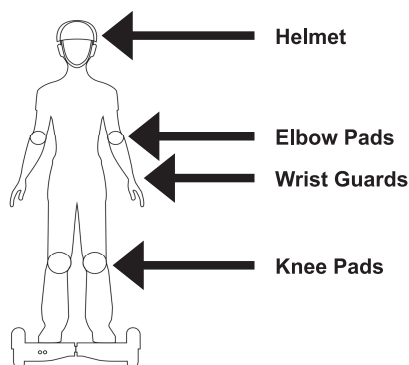
### Calibrating The Board:

In order to calibrate the hoverboard, place it on a flat horizontal surface and then press the power button for 8 seconds, the Smart X will beep and the blue LED lights of the board will flash. The hoverboard is now calibrated. Calibration may need to be repeated when the two foot platforms are uneven or the hoverboard is out of balance.

Also ensure the two platforms are perfectly aligned and not twisted. Press the power button for 8 seconds; the hoverboard will beep and the blue LED lights of the board will flash. The hoverboard is now calibrated and ready to go! Calibration may need to be repeated in the future if you notice misalignment or are having balancing difficulties.

## STEP 4 - Safety Gear

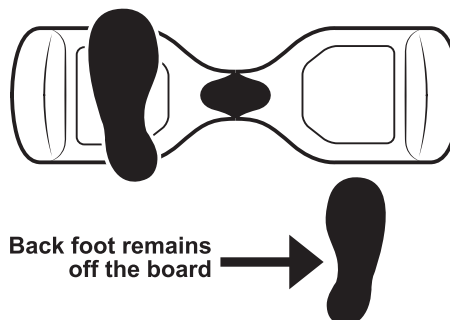
Wear all proper safety gear, including, but not limited to a helmet, knee pads, elbow pads, and wrist guards.



## STEP 5 - Standing On

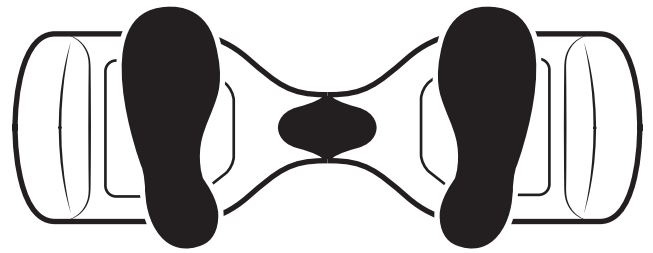
**A.** Stand directly behind your Smart X hoverboard. Place one foot on the foot platform, keeping the instep of your foot on the outer edge of the board.

**B.** Place one foot on the Smart X hoverboard. Keep all your weight on your back foot still on the ground. Otherwise, your device will begin to move, making it difficult to step on evenly with your other foot.



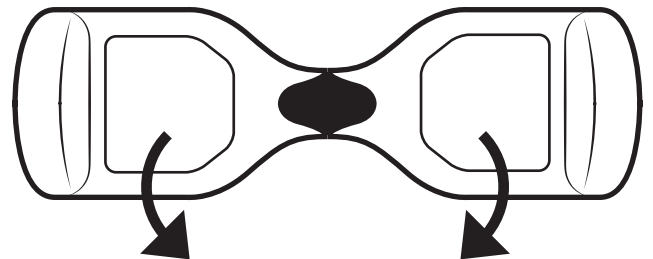
C. When you are ready, shift your weight to the foot already placed on the device and step on with your second foot quickly and evenly.

**TIP:** Stay relaxed and step on quickly, confidently and evenly. Many people overthink this step, imagine climbing a stair, one foot, then the other. Once your feet are even, try to look up.



### STEP 6 - Staying Balanced

Find your centre of gravity. If your weight is distributed correctly on the foot platforms, and your centre of gravity is level, you should be able to stand on your Smart X hoverboard, just as if you were standing on the ground. IF NOT, you may feel like you are moving in a particular direction, turning, spinning in place, wobbling back and forth, or simply uncomfortable.



**NOTE – On average, it takes 3-5 minutes just to get comfortable standing on the Smart X hoverboard and maintaining proper balance. Having a helping hand will help you feel more secure. The Smart X hoverboard is an incredibly intuitive device; it senses even the slightest bit of motion, so having any anxiety or reservation about stepping on may cause you to panic and trigger movement that is not otherwise natural to you. The best way to overcome that initial anxiety is by having a partner who can help balance you.**

**TIPS –** Stay relaxed, stand evenly, and apply an equal amount of pressure on both sides of the device. Relax your muscles as much as you can. Taking a deep breath and exhaling can help you achieve this. Slightly bending your knees can also help. Once you can stand IDLE and STOP, you are ready for the next step.

If you begin to turn in a particular direction, focus on turning in the opposite direction to stop turning.

When you first begin using your Smart X hoverboard, the fastest way to move in your desired direction is to focus in that direction. You will notice that just thinking about which way you would like to go will shift your centre of gravity, and that subtle movement will propel you in that direction.

### STEP 7 - Riding your Smart X Hoverboard

The Smart X hoverboard responds to the user's foot movements. As your feet lean forwards and backwards this causes the foot platforms to tilt and propels the hoverboard in the intended direction. The movement, speed and stopping of the Smart X hoverboard is controlled by the degree at which you tilt the foot platforms.

#### Directions

You must stand with evenly weighted balance through your feet and each foot placed centrally on the foot platforms.

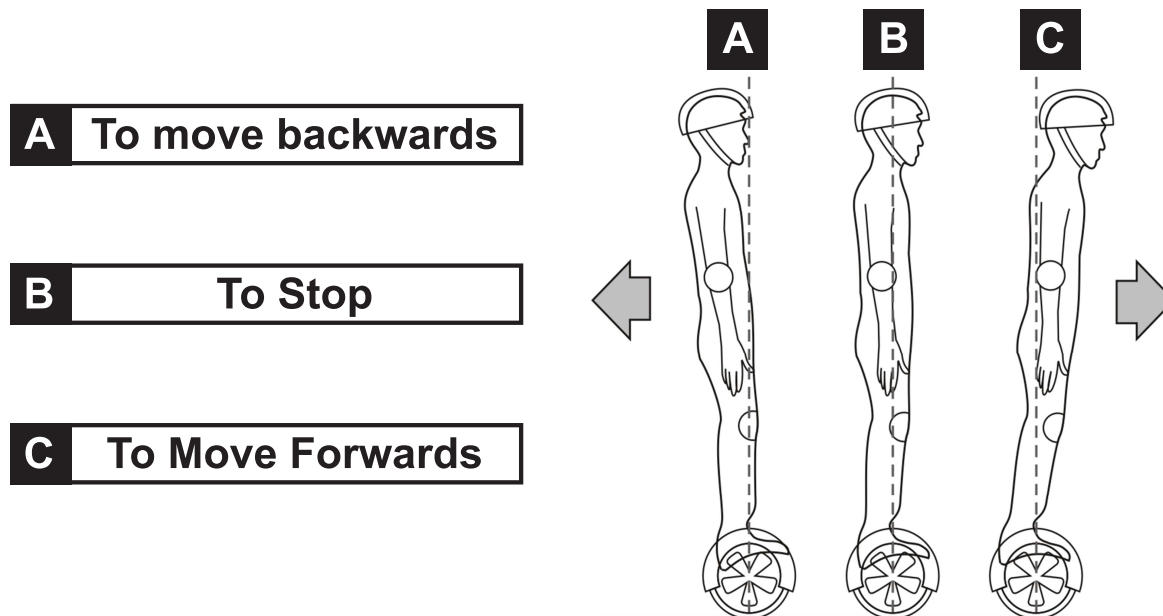
- Pressing your **toes** downwards moves the Smart X hoverboard **forwards**. Do not lean excessively or lunge forward as this may cause you to fall.
- Pressing your **heels** downwards moves the Smart X hoverboard **backwards**. Do not lean excessively or lunge backward as this may cause you to fall.
- Turn by putting more downward pressure through the toes on one foot (on the outside of the turn) then on the other
- You can spin in place by putting downward pressure through the toes on one foot and simultaneously put downward pressure through the heel on the other foot.

## Speed Control

You can control the speed at which you move by controlling the amount of pressure you put through your toes/heel. More pressure tilts the foot platform more and increases the speed of the action.

When slowing or stopping, if you continue to apply force through your feet in the opposite direction to your current movement, you may not only stop but may start moving in the opposite direction.

In order to stop you must restore your balance in the centre of the hoverboard, evenly place your weight through both feet and ensure the foot platforms are parallel to the ground again.



The maximum speed of the Smart X hoverboard is approximately 7.5mph, this may be affected by many factors, such as rider weight, surface conditions, battery charge etc.

- **Do not jump up and down whilst using the device:** If you remove a foot (or both feet), as you landed back down this will cause the foot platforms to tilt unpredictably and the balance mechanism will respond instantly and make the Smart X hoverboard move, which could result in loss of rider stability, balance or control.
- **Do not presume that moving your weight alone controls the hoverboard's movement:** it is the pressure through your feet alone that tilts the foot platforms and cause the movement.
- **Do not turn the Smart X hoverboard on when in the air or lift it off the ground when already turned on:** this could cause the wheels to spin and could result in injury to the rider or third parties.

## Riding Tips

- Keep a relaxed posture with your weight evenly balanced and hold your arms in a comfortable position by your sides.
- Use a wide stance with your feet on the foot platforms positioned as close the wheels as possible.
- Stay alert to your surroundings and watch out for obstacles and surfaces changes.
- Do not abruptly accelerate or lunge.
- Always be prepared to stop in an emergency.
- Respect others around you and leave plenty of room when moving past and remember to give others right of way.
- Remember at higher speeds it is necessary to shift your weight to overcome the centrifugal force.
- For bumps or uneven surfaces, bend your knees.

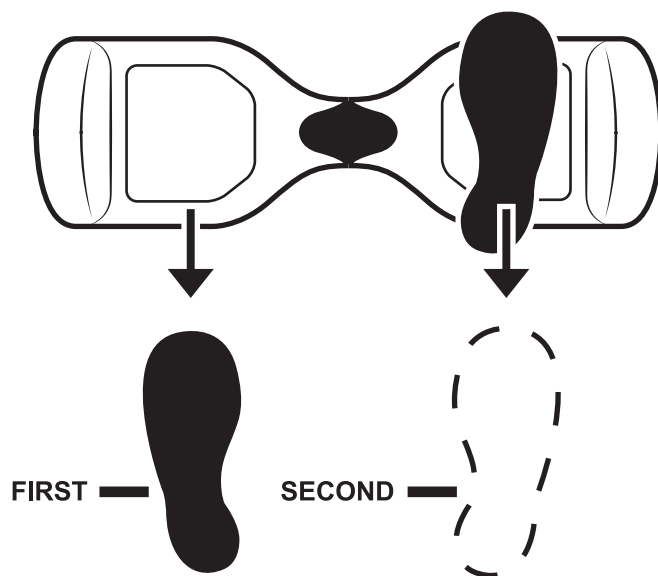
### STEP 8 - The Dismount

Slow down and stop. Stepping off of the Smart X hoverboard can be one of the easiest steps, yet when done improperly, may cause you to fall. To properly dismount, from a stopped position, lift one leg up and set your foot back down on the ground (STEPPING BACK).

Then step off completely.

**NOTE - A common error is to try and step forward.**

**TIP – make sure to lift your leg completely off to clear the device when stepping back, otherwise you can get sent off balance.**



## SAFETY ALERTS

During operation, if there is a system error or improper operation performed with your Smart X hoverboard, the system cannot enter self-balancing mode, so the device will prompt the user in a variety of ways. You will notice the balance level indicator light will turn RED and you will hear a beep sound alerting you to take precaution and cease operation.

The following are common occurrences where you will hear the Safety Alerts; these notices should not be ignored, but appropriate action be taken to correct any illegal operation, failure or errors.

- Prohibited riding surfaces (uneven, too steep, unsafe, etc.)
- When you step on the Smart X hoverboard, if the platform is tilted more than 10° forward or backward.
- Battery voltage is too low.
- The device is still charging.
- Overheating, motor temperature is too high.
- The device has been rocking back and forth over 30 seconds.
- When the battery is about to run out, the safety alert will sound, the battery power level indicator will light up and the system will enter protection mode.
- If the platform is tilted forward or backward more than 35°, Smart X hoverboard will power off.
- When the battery level has depleted below protection mode, the Smart X hoverboard engine will power off after 15 seconds.
- While sustaining a high discharge current during operation (such as driving up a steep slope for a long period of time), the Smart X hoverboard engine will power off after 15 seconds.



# INSPECTION, MAINTENANCE & STORAGE

## Before Each Ride The Following Checks Will Need To Be Performed:

- Ensure that all components are properly secured and are functioning according to manufacturer's specifications.
- Components shall be maintained and repaired in accordance with the manufacturer's authorised replacement parts with installation performed by dealers or other skilled individuals.

## Inspecting and Cleaning Your Smart X Hoverboard

- Disconnect the charger and turn off your Smart X hoverboard.
- Routinely check the casing of the Smart X hoverboard and tyres for damage or excessive wear.
- Avoid using water or other liquids and cleaners on the Smart X hoverboard for cleaning.
- The Smart X hoverboard is IP54 rated. It can withstand a light splash of water, however if water or other liquids seep into the device, it will cause permanent damage to the internal electronics.
- Wet a clean cloth with clean soapy water, rinse the cloth thoroughly, and wipe the casing of the Smart X hoverboard making sure that water does not get into the power button, charging port, the foot platforms, or tyres.

## Storing Your Smart X Hoverboard

- Fully charge your battery before storing.
- If you are storing your Smart X hoverboard for an extended period of time, please fully charge your Smart X hoverboard at least once every three months.
- If the ambient temperature of the storage location is below 0 °C, please do not charge. You must bring the Smart X hoverboard into a warmer environment before charging.
- To prevent dust from getting into your Smart X hoverboard, try wrapping it or sealing it with its original packaging.
- Store your Smart X hoverboard indoors, in a dry and suitable temperature.

**NOTE - Users who disassemble the Smart X hoverboard will forfeit their right of warranty.**

# SAFETY PRECAUTIONS

-  **WARNING!** - Before stepping on your Smart X hoverboard, make sure it is placed flat on level ground, the power is on, and the balance level indicator light is green. Do not step on if the balance level indicator is red.
-  **WARNING!** - Do not try to open or modify your Smart X hoverboard, as doing so will void your manufacturer warranty, and may cause failure to your device leading to serious bodily injury or death.
-  **WARNING!** - Do not operate the Smart X hoverboard while under the influence of drugs and/or alcohol.
-  **WARNING!** - Do not operate the Smart X hoverboard when you are restless or sleepy.
-  **WARNING!** - Use your best judgment to keep yourself out of dangerous situations with your Smart X hoverboard.
-  **WARNING!** - Do not ride your Smart X hoverboard off of curbs, ramps, or attempt to operate in a skate park, empty pool, or in any way similar to a skateboard or scooter. The Smart X hoverboard IS NOT A SKATEBOARD.
-  **WARNING!** - Do not turn sharply, especially at high speeds.
-  **WARNING!** - Do not continuously spin in place, it will cause dizziness and you could fall and injure yourself.
-  **WARNING!** - Do not abuse your Smart X hoverboard, doing so can damage your unit and cause failure to the operating system leading to injury.
-  **WARNING!** - Do not continue to try and use the Smart X hoverboard once the battery has run out.
-  **WARNING!** - Do not drive in or near puddles of water, mud, sand, stones, gravel, debris or near rough and rugged terrain.

-  **WARNING!** - The Smart X hoverboard can be used on paved roads that are flat and even. If you encounter uneven pavement, please dismount and lift the Smart X hoverboard over and past the obstruction.
-  **WARNING!** - Do not ride in inclement weather: snow, rain, hail, sleet, on icy roads or in extreme heat.
-  **WARNING!** - Do not ride in or near pools or other large bodies of water.
-  **WARNING!** - Bend your knees when riding on bumpy or uneven pavement to absorb the shock and vibration and help you keep your balance. If you are unsure if you can safely ride on a specific terrain, step off and carry your Smart X hoverboard.
-  **WARNING!** - Do not attempt to ride over bumps or objects greater than 1cm even when prepared and bending your knees.
-  **WARNING!** - **PAY ATTENTION** - look at where you are riding and be aware of the road conditions, people, places, property and objects around you.
-  **WARNING!** - Do not operate the Smart X hoverboard in crowded areas.
-  **WARNING!** - Operate your Smart X hoverboard with extreme caution when indoors, especially around people, property, and narrow spaces like doorways and other narrow spaces.
-  **WARNING!** - Operate your Smart X hoverboard with extreme consideration for people and property at all times.
-  **WARNING!** - Do not operate the Smart X hoverboard while talking, texting, or looking at your phone.
-  **WARNING!** - Do not ride your Smart X hoverboard where it is not permitted.
-  **WARNING!** - Do not ride your Smart X hoverboard near motor vehicles or on public roads.
-  **WARNING!** - Do not climb or travel down steep hills with your Smart X hoverboard.
-  **WARNING!** - The Smart X hoverboard is intended for use by a single individual, **DO NOT** attempt to operate the Smart X hoverboard with two or more people.
-  **WARNING!** - Do not carry anything while riding the Smart X hoverboard.
-  **WARNING!** - Individuals with lack of balance should not attempt to operate the Smart X hoverboard.
-  **WARNING!** - Women who are pregnant should not operate the Smart X hoverboard.
-  **WARNING!** - Young children and the elderly should not operate the Smart X hoverboard.
-  **WARNING!** - At higher speeds, always take into consideration longer stopping distances.
-  **WARNING!** - **DO NOT** step off the front of your Smart X hoverboard.
-  **WARNING!** - Do not attempt to jump on or off your Smart X hoverboard.
-  **WARNING!** - Do not attempt any stunts or tricks with your Smart X hoverboard.
-  **WARNING!** - Do not ride the Smart X hoverboard in dark or poorly lit areas.
-  **WARNING!** - Do not ride the Smart X hoverboard near or over potholes, cracks or uneven pavement.
-  **WARNING!** - Do not operate your Smart X hoverboard off-road.
-  **WARNING!** - Keep in mind that you are 11cm taller when operating the Smart X hoverboard. Make sure to go through doorways safely.
-  **WARNING!** - Do not exceed the maximum or minimum weight limits. Minimum weight limit is 30KG - 120KG.

 **WARNING!** - Do not use the Smart X hoverboard in a car or other vehicle.

 **WARNING!** - Always keep a safe distance between yourself and any other people or obstacles around you.

 **WARNING!** - Do not step on the fenders of the Smart X hoverboard.

 **WARNING!** - Avoid driving the Smart X hoverboard in unsafe places, including near areas with flammable gas, steam, liquid, dust, fibre, which could cause fire and explosion accidents.

Enjoy your Smart X hoverboard responsibly.

## WEIGHT & SPEED LIMITATIONS

**PLEASE NOTICE** - speed and weight limits are set for your own safety.  
Please do not exceed the limits listed in the Owner's Manual.

### Weight Restrictions

- Maximum Weight: 120 kg.

### Speed Limits

- Maximum Speed in Standard Operating Mode: 7.5mph (12 km/h.)

**NOTE** - To prevent injury, when top speed is reached, the Smart X hoverboard will beep to alert the user and tilt the user back

## OPERATING RANGE

Please notice the Smart X hoverboard can travel a distance of 6-12 miles (10-20km) on a fully charged battery in ideal conditions. The following are some of the major factors that will affect the operating range of your Smart X hoverboard.

### Terrain

A smooth, flat surface will increase your driving distance, while driving uphill, as well as rough or uneven terrain will reduce your distance significantly.

### Weight

The weight of the user can affect driving distance, a lighter user will have further range than a heavier user.

### Ambient Temperature

Please ride and store the Smart X hoverboard under recommended temperatures, which will increase driving distance; battery life, and overall performance of your Smart X hoverboard.

### Maintenance

Reasonable battery charging and maintenance will increase the distance. Overcharging the battery can reduce range.

### Speed and Driving Style

Maintaining a moderate speed will increase your distance; while travelling at high speeds for extended periods, frequent starts, stops, idling, along with frequent acceleration and deceleration will reduce your overall distance.

# BATTERY INFORMATION

This section is intended to provide you basic information about your battery and charger. Please read this section carefully to ensure your safety and to prolong the life of your battery, as well as improve battery performance, please follow these instructions.

## Battery Power

The Green LED light indicates the Smart X hoverboard is charged. Red LED light indicates the power is down 10%, when the LED light becomes red, please recharge the device. When this occurs please stop operating the Smart X hoverboard and charge the battery for 2-3 hours utilising the charger supplied in the Smart X hoverboard package. To fully recharge the battery, please follow the instructions under **CHARGING THE BATTERY - PAGE 6**.

| CONTENT              | PARAMETERS      |
|----------------------|-----------------|
| Battery              | Lithium Battery |
| Charging time        | 3 hours         |
| Voltage              | 25.55V          |
| Initial Capacity     | 4.3Ah           |
| Working Temperature  | -15°C~50°C      |
| Charging Temperature | 0°C~40°C        |
| Storage Time         | 12 months       |
| Storage Temperature  | -20°C~25°C      |
| Storage Humidity     | 5%~95%          |

# BATTERY WARNINGS

**Failure to follow the safety precautions listed in this section could lead to serious bodily injury and/or death. Seek immediate medical attention if you are exposed to any substance that is emitted from the battery. Do not attempt to modify, change, or replace your battery.**

- Do not use your Smart X hoverboard if the battery begins to emit odour, overheats, or begins to leak.
- Do not touch any leaking materials, or breathe fumes emitted.
- Do not allow children and animals to touch the battery.
- The battery contains dangerous substances, do not open the battery, or insert anything into the battery.
- Please only use the charger provided by Smart X hoverboard.
- Do not attempt to charge the Smart X hoverboard if the battery has discharged or emitted any substances. In that case, the battery should be abandoned for safety.
- Please follow all local laws in regards to recycling, handling and disposing of Lithium Ion batteries.
- The Smart X hoverboard should only be shipped in its original packaging.
- Do not throw away your box as you need you Smart X hoverboard packaging for future use.

# BATTERY CARE AND DISPOSAL

**Do not store the battery in temperatures above 25°C or below -25°C.**



CONTAINS SEALED LITHIUM-ION BATTERIES. BATTERIES MUST BE RECYCLED. Your Zinc product uses sealed lithium-ion batteries which must be recycled or disposed of in an environmentally sound manner. Do not dispose of a lithium-ion battery in a fire. The battery may explode or leak. Do not dispose of a lithium-ion battery in your regular household trash. The incineration, land filling or mixing of sealed lithium-ion batteries with household trash is prohibited by law in most areas. Return exhausted batteries to a local, approved battery recycler or a local seller of automobiles.

# BATTERY CHARGER WARNINGS

The battery charger should be regularly examined for damage to the cord, plug, enclosure and other parts. In the event of such damage, if any is found, the hoverboard should not be charged until the battery charger has been repaired or replaced.

- Use only with the supplied recommended battery charger.
- Always use caution when charging.
- The battery charger is not a toy and should be operated by an adult.
- Never operate battery charger near flammable materials or liquids.
- Disconnect the battery charger and unplug from hoverboard when not in use.
- Do not exceed recommended charging time.
- Always disconnect the battery charger from the hoverboard prior to wiping down and cleaning with any liquid.

**FAILURE TO HEED TO THE WARNINGS LISTED ABOVE INCREASES RISK OF POTENTIAL SERIOUS INJURY. USE THE APPROPRIATE CAUTION WHEN RIDING AND ALWAYS WEAR PROTECTIVE GEAR.**

## SPECIFICATIONS LIST

| SPECIFICATION       | PARAMETERS                 |
|---------------------|----------------------------|
| Net Weight          | 10kg                       |
| Minimum Load        | 30KG                       |
| Maximum Load        | 120KG                      |
| Maximum Speed Limit | 7.5mph (12 km/h)           |
| Range               | 6 - 12 miles (10 - 20km)   |
| Max Climbing Limit  | 15°                        |
| Turning Radius      | 0°                         |
| Battery             | Lithium-ion                |
| Power Requirement   | AC100-240V/50-60 HZ        |
| Dimensions          | 58.4 *18.6 *17.8 cm        |
| Battery Capacity    | 25.55 V / 4.3AH            |
| Ground Clearance    | 3 cm                       |
| Platform Height     | 11 cm                      |
| Tyres               | Non-pneumatic hollow tyres |





# WARRANTY

**ZINC® WARRANTY** The limited warranty applies to the Smart X hoverboard and covers/warranties this product to be without manufacturing faults for a period of 90 days from date of purchase. Normal wear and tear; damage to the tyres and cables; failure of loss caused by improper assembly, use, maintenance and storage of the Smart X hoverboard are not covered by this limited warranty.

This limited warranty becomes void if ever:

- The Smart X hoverboard is used in a manner other than for recreation or transportation
- The Smart X hoverboard is modified in any way from the manufacturer's original design and specification
- The Smart X hoverboard is in any way rented

Zinc does not offer extended warranty. Any extended warranties purchased must be honoured by the stores from which they were purchased.

The manufacturer is not liable for incidental or consequential loss or damage due directly or indirectly to the use of this hoverboard.

Limitation of Liability: In no event shall ZINC 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. ZINC is not liable for property damage, personal injury, or death. This does not affect your statutory rights.

For your records, save your original sales receipt with this manual.

ZINC ADVISES THAT YOU CONTACT YOUR INSURANCE COMPANY TO DETERMINE WHETHER COVERAGE IS PROVIDED FOR THE USE OF THIS HOVERBOARD, OR TO TAKE OUT A NEW POLICY.

**Product Code: ZC05359**

## EC DECLARATION OF CONFORMITY

This declaration of conformity is issued under the sole responsibility of the manufacturer, in accordance with the following Directives:

It is hereby declared that:

Product name: Zinc Hoverboard SMART X

Model number: ZC05359

is in conformity with the applicable requirements of the following documents:

| Ref no.                      | Title:                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EN ISO 12100:2010            | Safety of machinery-General principles for design – Risk assessment and risk reduction.                                                                                                                                                                                                                                                                                                                                 |
| 2006/42/EC Annex I A         | Machinery Directive 2006/42/EC Annex I. Essential Health and safety requirements relating to the design and construction of machinery.                                                                                                                                                                                                                                                                                  |
| EN61000-6-1:2007             | Electromagnetic compatibility (EMC). Generic standards. Immunity for residential, commercial and light- industrial environments.                                                                                                                                                                                                                                                                                        |
| EN61000-6- 3:2007+A1         | Electromagnetic compatibility (EMC). Generic standards. Emission standard for residential, commercial and light-industrial environments.                                                                                                                                                                                                                                                                                |
| 2011/65/EU                   | Determination of cadmium, lead, mercury, hexavalent chromium, PBBs and PBDEs                                                                                                                                                                                                                                                                                                                                            |
| 2013/56/EU                   | 2006/66/EC and its amendment 2013/56/EU on lead, Cadmium and Mercury in batteries and accumulators and waste batteries and accumulators                                                                                                                                                                                                                                                                                 |
| IEC 62133:2012               | Safety test standard of li-Ion cell and battery                                                                                                                                                                                                                                                                                                                                                                         |
| EN60335- 1,<br>EN60335- 2-29 | The Low Voltage Directive (LVD) 2014/35/EU ensures that electrical equipment within certain voltage limits provides a high level of protection for European citizens, and benefits fully from the Single Market. Electrical equipment under the LVD covers a wide range of consumer and professional products e.g. household appliances, cables, power supply units, laser equipment and some components such as fuses. |
| EC1907/2006                  | Cadmium content requirement in commission Regulation (EU) No. 494/2011, (EU) No. 835/2012, (EU) No. 2016/217 Annex XVII items 23 of the REACH regulation EC No.1907/2006 Polycyclic Aromatic Hydrocarbons (PAHs) content in Annex XVII Item 50 of the REACH Regulation (EC) No. 1907/2006 & amendment (EU) No. 1272/2013                                                                                                |

We hereby declare that the equipment named above has been designed to comply with the relevant sections of the above referenced specifications. The unit complies with all applicable Essential Requirements of the Directives.

|                                              |                                           |
|----------------------------------------------|-------------------------------------------|
| Signed for and on behalf of: Ying Pickavance | Signed for and on behalf of: Gon Cheung   |
| Position: Senior Product Manager.            | Position: QA Manager.                     |
| Place of Issue: UK on 12 July 2017           | Place of Issue: Hong Kong on 12 July 2017 |

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