SHARPER IMAGE®

HOVER BOARD

Item No. 205118

Product Manual

Thank you for choosing the Sharper Image Hover Board. Before riding, please read this Product Manual carefully, and learn all of the Safety Warnings and Precautions. This Product Manual can help you understand, use and maintain your Hover Board. This Product Manual applies to the Sharper Image Hover Board.

What does UL Listing mean?
UL Listing means that UL (Underwriters Laboratories) has tested representative samples of the product and determined that it meets their requirements. These requirements are based primarily on UL's published and nationally recognized Standards for Safety.

What does UL 2272 Certified mean?
UL supports retailers and manufacturers by offering electrical and fire-safety testing and certification under UL 2272, Electrical Systems for Self-Balancing Scooters. This standard evaluates the safety of the electrical drive train system and battery and charger system combinations, but does NOT evaluate for performance, reliability, or rider safety.

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⚠ WARNING!

- In order to avoid dangers that are caused by collisions, falls and/or loss of control, please learn how to ride your Hover Board safely outdoors in a flat, open environment.

- This manual includes all operating instructions and precautions. All users must read this manual carefully and follow the instructions. Please wear all appropriate safety gear, including a helmet certified by the CPSC (Consumer Product Safety Commission). Please follow all local laws regarding use in public areas and roadways.

INTRODUCTION

This Product Manual will help you learn to ride and maintain your Sharper Image Hover Board. Be sure to read it carefully and store it for future reference.

1.2 DRIVING RISK

The Sharper Image Hover Board is a personal transportation vehicle that has been strictly tested for safety. However, operating this vehicle poses certain inherent risks, including injury and/or property damage. Please wear appropriate safety gear at all times while operating your Sharper Image Hover Board, and be sure to read the contents of this manual prior to operation in order to minimize risks.

WARNING!

Falling, losing control, collision or failure to obey the Sharper Image Hover Board Product Manual may cause injury or even death. In order to minimize the risks, please read the Sharper Image Hover Board Product Manual.

BEFORE RIDING CHECK YOUR LOCAL LAWS TO CONFIRM WHERE YOU CAN RIDE AND WHAT RULES APPLY WHEN USING NON-ROAD SELF-BALANCING PERSONAL TRANSPORTATION DEVICES.

· Warning: Any improper actions will jeopardize your personal safety.
· Always wear an approved helmet.

1.3 PREPARATIONS BEFORE DRIVING

Before driving, please check the battery level and other conditions. Failure to obey these steps in the Sharper Image Hover Board Product Manual may cause injury.

1.4 RELATED INSTRUCTIONS

The instructions below pertain to the Sharper Image Hover Board. Please give special attention to all WARNINGS and NOTES.

NOTE:

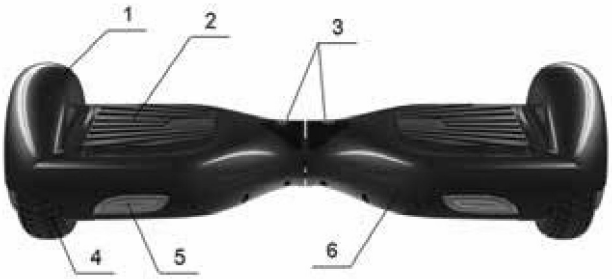
THIS SELF-BALANCING HOVER BOARD IS FOR PERSONAL TRANSPORTATION ONLY. IT IS NOT TO BE USED ON PUBLIC ROADS OR IN HEAVILY POPULATED PEDESTRIAN AREAS.

2. PRODUCT INTRODUCTION

2.1 Description of Sharper Image Hover Board

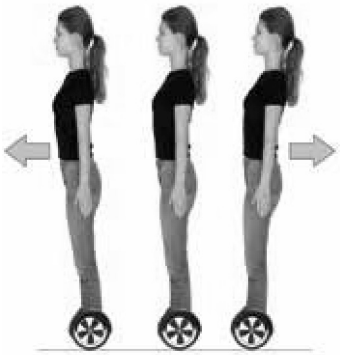
The Sharper Image Hover Board is a high-tech electric transporter. It is based on dynamic balance principles which you can control to move forward, backward, turn and stop. Easy operation, flexible control, low carbon footprint, green environmental protection and easy travel are just a few advantages of the Sharper Image Hover Board.

2.2 DESCRIPTION OF PARTS



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

2.3 Working Principles



The Sharper Image Hover Board uses gyroscopes and acceleration sensors to control balance intelligently depending on your center of gravity. The Sharper Image Hover Board also uses a servo-control system to drive the motor. It adapts to the human body, so when you stand on the Hover Board, just lean your body forward or backward. The power plant will control the wheels in a forward or backward motion to keep you balanced.

To turn, simply slow down and lean your body left or right.
The built-in inertia dynamic stabilization system will maintain the direction frontward or backward. However, it cannot guarantee stability while turning left or right. As you drive the Sharper Image Hover Board, please shift your weight in order to overcome the centrifugal force and improve your safety while turning.

3. CONTROL AND INFORMATION DISPLAY DEVICE

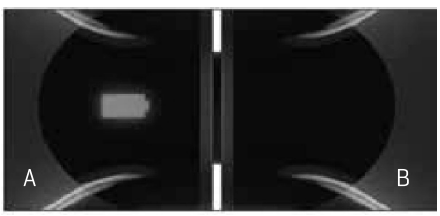
3.1 Mat Sensors

There are four sensors under the mats. When the user steps on the mats, the Sharper Image Hover Board will automatically initiate the self-balance mode.

A. While driving the Sharper Image Hover Board, you must be sure to step on the foot mats evenly. DO NOT STEP ON ANY AREA OTHER THAN THE MATS.

B. Please do not put items on the mats. This will make the Hover Board switch on, which could potentially cause injury to people, or damage to the unit or to other property.

3.2 Display Board



The Display Board is located in the middle of the Sharper Image Hover Board. It is for displaying the current information of the device.

A. Battery Display: This solid GREEN LED light indicates the Hover Board is fully charged and ready to use. The ORANGE LED light indicates that the battery is low and needs to be recharged shortly. When the LED light becomes RED, the battery is depleted and needs to be charged immediately.

B. Running LED: When the operator triggers the mat sensors, the running LED will light up. GREEN means that the system has entered into running state. When the system has an error in operation, the running LED light will turn to RED.

4. Safe Usage of the Sharper Image Hover Board

We hope every user can drive the Sharper Image Hover Board safely and enjoy the fun. If you recall learning how to ride a bicycle, or learning how to ski or roller blade, the same sensation applies to this vehicle.

1. Please follow the safety instructions in this manual. We strongly recommend that you read the manual carefully before operating your Sharper Image Hover Board for the first time. Check for tire damage, loose parts, etc. before driving. If there is any abnormal situation, please contact our Customer Service department immediately.
2. Do not use the Sharper Image Hover Board incorrectly, as this may endanger the safety of persons or property.
3. Do not open or modify the parts of the Sharper Image Hover Board, as this may cause serious injury. There are no user-serviceable parts in the Sharper Image Hover Board.

4.1 Weight Limit

The following two points are the reason for a weight limit on the Sharper Image Hover Board:

1. To ensure the safety of the user.
2. To reduce damage due to overload.
   - Maximum Load: 220 lbs. (100 kg)
   - Minimum Load: 50.6 lbs. (23kg)

⚠ WARNING!

OVERWEIGHT USE MAY INCREASE THE POSSIBILITY OF INJURY.

4.2 Maximum Driving Range: Up to 14.9 miles

There are several factors that will affect the driving range of the Sharper Image Hover Board, such as:

- Grade: A smooth, flat surface will increase the driving range, while an incline or hilly terrain will reduce the range.
- Weight: The weight of the driver can affect the driving range.
- Ambient Temperature: Please ride and store the Sharper Image Hover Board at the recommended temperature, which will increase the driving range.
- Maintenance: A consistent battery charge will help increase the range and the life of the battery.
- Speed and Driving Style: Maintaining a moderate speed will increase the range. On the contrary, frequent starting, stopping, acceleration and deceleration will reduce the range.

4.3 Speed Limit

The Sharper Image Hover Board has a top speed of 6.2mph (10 kmh).

- When the speed is close to the maximum allowable speed, the buzzer alarm will ring.
- The Sharper Image Hover Board will keep the user balanced up to the maximum speed. If the speed exceeds the safety limit, the Hover Board will automatically tilt the driver back in order to reduce the speed to safe rate.

5. Learning to Drive

It is important to learn and remember all WARNINGS and NOTES before driving the Sharper Image Hover Board.

NEW FEATURE! The Sharper Image Hover Board is now equipped with dual riding modes. You can toggle between LEARNING mode (slower turns and lower top speed) or EXPERT mode (quicker turns and higher top speed) at the time you power on your Hover Board.

For **EXPERT** mode, simply turn your Hover Board on with a single push of the power button and listen for the chime that indicates the power is on.

For **LEARNING** mode, similar to the above – power up your Hover Board with a single push of the power button and listen for the power on chime. Immediately following the chime, push the power button a SECOND time. A shorter, single beep will confirm you are now in LEARNING mode.

STEP 1: Place the Sharper Image Hover Board on a flat surface.

STEP 2: To start your Hover Board, press the Power Button.

STEP 3: Put one foot on a pad. This will trigger the pedal switch and turn on the indicator light. The system will automatically enter self-balancing mode. Then, place your other foot on the other pad.

STEP 4: After standing up successfully, keep your balance and center of gravity stable while the Sharper Image Hover Board is in a stationary state. Make small forward or backward movements using your entire body. Remember, DO NOT MAKE ANY SUDDEN MOVEMENTS.

⚠ WARNING!

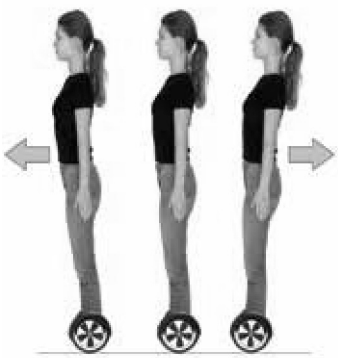
WARNING! DO NOT JUMP onto the Sharper Image Hover Board. This will cause severe damage to structure. Carefully step onboard only.

NOTE:

If a user stands on the Sharper Image Hover Board and the platform is not on a level surface, a buzzer will sound, and the LED warning indicator will light up.

STEP 5: To turn left or right, lean your body in the direction you wish to go. Positioning your right foot forward will turn the vehicle LEFT. Positioning your left foot forward will turn the vehicle RIGHT.

STEP 6: Keep the Sharper Image Hover Board balanced. Take one foot off the mat quickly. Then, remove the other foot quickly.



NOTE:

To avoid danger:

- Do not turn sharply
- Do not turn at high speeds
- Do not drive quickly on slopes
- Do not turn quickly on slopes

5.2 Safe Mode

During operation, if there is a system error or illegal operation, the Sharper Image Hover Board will prompt drivers in different ways. An alarm indicator lights up, a buzzer sounds intermittently and the system will not enter self-balancing mode in these circumstances:

- If you get on the Sharper Image Hover Board while the platform is tilted forward or backward more than 10 degrees.
- If the battery voltage is too low.
- If the Hover Board is in charging mode.
- If you are driving too fast.
- If the battery has a short.
- If the motor temperature is too high.

In Protection Mode, the Sharper Image Hover Board will turn off if:

- The platform is tilted forward or backward more than 35 degrees.
- The tires are blocked.
- The battery is too low.
- There is a sustained high discharge rate during performance (such as driving up long, steep slope).

⚠ WARNING!

When the Sharper Image Hover Board goes into Protection Mode (engine off), the system will halt. Press the foot pad to unlock. Do not continue to drive the Hover Board when the battery is exhausted, as it may lead to injury or damage. Continued driving under low power will affect battery life.

5.3 Practice Driving

Learn how to drive the Sharper Image Hover Board in an open area until you can get on and off the vehicle, travel forward and backward, and turn and stop easily.

- Dress in casual clothes and flat shoes.
- Drive the Sharper Image Hover Board in an outdoor space until you can easily control it (get on, go forward and backward, turn and get off).
- Drive on flat surfaces.
- If you are not skilled at driving the Sharper Image Hover Board, please avoid driving it in a crowded place.
- When you go through a doorway, please be aware that you are now taller than usual. Please watch your clearance overhead to avoid injury.

6. Safe Driving

⚠ WARNING!

This section provides some safety warnings and cautionary statements about the Sharper Image Hover Board. To ensure that you can safely drive the Sharper Image Hover Board, please be sure to read the Product Manual and comply with all safety instructions. These warnings are designed to make the Sharper Image Hover Board safer and more fun.

- When you are driving the Sharper Image Hover Board, make sure to take all necessary safety measures, such as wearing a CSPC certified helmet, knee pads, elbow pads and other protective gear.
- The Sharper Image Hover Board should only be used for personal use, and is not designed for commercial applications or use on public roads or pathways.
- It is prohibited to use the Sharper Image Hover Board on any roadway. Check with your local authorities to confirm where you can safely ride. Obey all laws that apply.
- Do not allow children, the elderly or pregnant women to ride the Sharper Image Hover Board.
- Do not jump on the Sharper Image Hover Board, as it will cause damage and result in possible injury.
- Do not drive the Sharper Image Hover Board under the influence of drugs or alcohol.
- Do not carry items when you are driving the Sharper Image Hover Board.
- Please be alert to things in front or far away from you. Keeping good vision will help keep you safe.
- Legs should be relaxed, with knees slightly bent, to help you balance when you encounter uneven ground.
- Make sure your feet are always on the pads.
- The Sharper Image Hover Board should only be driven by one person. It cannot be driven by two or more people.
- Users and their belongings should not exceed the maximum load. In addition, the driver should not weigh less than the minimum load.
- When you drive the Sharper Image Hover Board with other users, please keep a safe distance between each other to avoid a collision.
- You should always keep in mind your height has increased while operating the vehicle. Be careful when you pass through doorways or other overhead obstacles.
- To keep better balance, do not make sharp turns.
- Do not engage in distracting activities when driving the Sharper Image Hover Board, such as talking on the phone, listening to music or engaging in any other similar activities.
- Do not drive on slippery surfaces (snow, ice, slippery flooring) or on rainy days.
- Do not make reverse turns while at high speeds.
- Do not drive in dark places.
- Do not drive on surfaces with obstacles such as twigs, litter, small stones, etc.
- Avoid driving in narrow spaces.
- Avoid driving on steep slopes.
- Avoid driving in unsafe places, including around flammable gas, steam, liquid, dust or fibers which could cause fire or an explosion.
- Check and secure all fasteners before every ride.
- Avoid riding in streets, surfaces covered in water, gravel, dirt, leaves and other debris.

7. Usage of Battery

This section describes the charging method of the Sharper Image Hover Board, how to maintain the battery, some security issues and battery specifications.

For users' safety, and to maximize the performance and battery life, please read and follow the instructions below.

7.1 Battery Power

You must stop driving the Sharper Image Hover Board if it displays low power. Otherwise, it may affect lifetime use and cause dangerous situations.

- Do not use the battery if it emits odor or overheats.
- Do not use the battery if it is leaking materials.
- Do not allow children or animals near the battery.
- Remove the charger before driving.
- The battery contains dangerous substances. Do not open the battery. ***Do not insert anything into the battery.***
- Please use the charger provided with the Sharper Image Hover Board. ***Do not use any other charger.***
- Do not charge a battery that has been overly discharged. It should be discarded for safety.
- The Sharper Image Hover Board battery should be disposed of according to local law.

7.2 Charging Process

USE ONLY THE SUPPLIED CHARGER WITH THIS VEHICLE. COMING DATA CO. LTD. MODEL: CP3615

- Ensure that the charging port is dry.
- Plug the charging cable into the Hover Board.
- Connect the cable with the power supply (100V ~ 240V; 50, 60 Hz).
- The red light indicates that it has begun to charge. If light is still green, check whether the cable is connected properly.
- When the indicator light goes from red to green, this indicates that the battery is fully charged. At this time, please stop charging. Overcharging will affect lifetime use.
- Use a local standard (AC) outlet.
- The charging time is about 2-4 hours.
- Keep the charging environment clean and dry.

7.3 Temperature

The best charging temperature is 10°C - 25°C (50°F - 77°F). Too much cold or too much heat will not allow the battery to charge completely.

7.4 Description of Battery (Specifications)

Battery:	Lithium Battery
Charging time:	2-4 hours
Voltage:	36V
Initial capacity:	2-4Ah
Working temperature:	0°C - 45°C (32°F - 113°F)
Charging temperature:	10°C - 25°C (50°F - 77°F)
Storage time:	12 months at -20°C - 25°C (-4°C - 77°F)
Storage humidity:	5%-95%

7.5 Shipping Notes

WARNING! **NOTE:**

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

Please contact Sharper Image Customer Service if you have any questions about the Sharper Image Hover Board.

8. Storage and Maintenance

The Sharper Image Hover Board requires the user to do routine maintenance. This section describes maintenance steps and important operating tips. Before you perform the following operations, ensure the power is off and the charging cable is disconnected.

8.1 Cleaning the Sharper Image Hover Board

- Disconnect the charger and turn the vehicle off.
- Wipe the cover.

WARNING!

- Avoid using water or other liquids on the Sharper Image Hover Board for cleaning. If water or other liquids seep into the Sharper Image Hover Board, it will cause permanent damage to the internal electronics.

8.2 Storing Your Sharper Image Hover Board

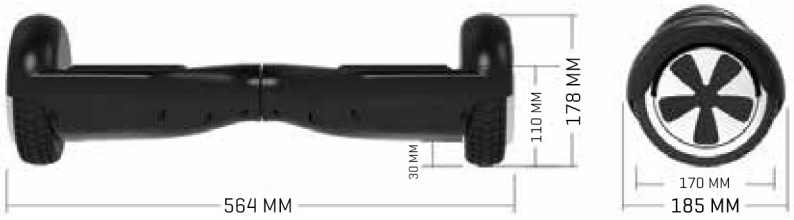
- Fully charge your battery before storing.
- If you store the Hover Board, please charge the battery at least every three months.
- If the storage ambient temperature is below 32°F (0°C), please do not charge it. You can bring it into a warm environment (above 50°F/10°C) for charging.
- To prevent dust from entering the Sharper Image Hover Board, cover it when in storage.
- Store the Sharper Image Hover Board in a dry and suitable temperature. If you do not use it for a long time, please do not connect the power.

WARNING!

DO NOT OPEN THE HOVER BOARD CASE FOR ANY REASON.

- Opening the case will void the warranty.
- There are no user-serviceable parts inside.

9. Dimensions and Specifications (in millimeters)



Hover Board Specifications

Net weight:	9.5 kg
Max load:	50.6 lbs. - 220 lbs.
Max speed:	6.2 mph
Range:	Up to 14.9 miles depending on terrain riding style and payload
Max climbing incline:	15°
Minimal turning radius:	0°
Battery:	Lithium-ion
Power requirement:	AC100 -240V/50 -60 HZ Global compatible
Dimensions:	22.99" L x 7.28" W x 7" H
Ground clearance:	1.18"
Platform height:	4.33"
Tire:	Non-pneumatic solid tire
Battery voltage:	36V
Battery capacity:	4300 mAh
Motor:	2 x 350 W
Shell material:	PC
Charge time:	2-4 hours

10. Packing List

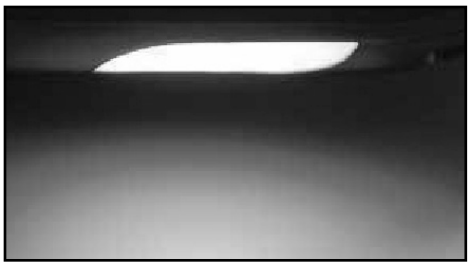
- Sharper Image Hover Board
- Charger
- Product Manual

11. Troubleshooting

The Sharper Image Hover Board has a self-examination feature to keep functioning properly. In the event of a malfunction, follow the directions on the next page to perform a System Reboot.

For Manual Updates, Troubleshooting and Frequently Asked Questions, please visit SharperImage.com.

12. How to Perform a System Reboot



STEP 1: Place Hover Board on a completely flat surface.
STEP 2: Align both halves with each other.
STEP 3: Align the Hover Board to be parallel with the floor.
STEP 4: Hold the Power Button until you hear a loud singular beep. Then release.
a. The front lights will start to flash, as will the battery light.
b. The front LED lights will quickly flash 5 times.
c. This is the Hover Board resetting itself to the flat surface.
STEP 5: Press the Power Button again to turn off.
STEP 6: Turn the Hover Board on again. It is ready to ride.

For more information about Rebooting your Hover Board, please visit SharperImage.com/HoverBoardReboot.

13. Warranty and Customer Service

Sharper Image branded Hover Boards purchased from SharperImage.com include a 60-day limited replacement warranty that covers manufacturing defects only. Hover Boards that are determined to be defective within the warranty period will be replaced at our discretion with a new or refurbished unit at our discretion. Hover Boards that are damaged due to mistreatment or failure to follow the instructions in this owner's manual are not eligible for return or replacement.

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If you have any questions not covered in this Product Manual, please call Sharper Image Customer Service at 1 (877) 210-3449.