

# HOVERZON™

## HOVERJET E - SKATEBOARD USER MANUAL



[HOVERZON.COM](http://HOVERZON.COM)

## Table of Contents

Section 1: Overview . . . . .	.01	Section 4: Battery . . . . .	.16
1.1 Box Contents . . . . .	.01	4.1 Battery Specifications . . . . .	.16
1.2 Important Information . . . . .	.01	4.2 Charging . . . . .	.16
1.3 Safe Riding Techniques . . . . .	.02	4.3 Battery Usage Warnings . . . . .	.17
1.4 Disposal at End-of-Life . . . . .	.05	Section 5: Warranty . . . . .	.20
Section 2: Features . . . . .	.06		
2.1 Parts Overview . . . . .	.06		
2.2 Remote Control Overview . . . . .	.07		
2.3 Specifications . . . . .	.08		
Section 3: Usage and Instructions . . . . .	.09		
3.1 Remote Functions . . . . .	.09		
3.2 Paring . . . . .	.11		
3.3 Starting and Stopping . . . . .	.12		
3.4 Cruise Control . . . . .	.14		

## **SECTION 1: OVERVIEW**

Before operating your Hoverjet, please read all instructions. This User Manual will guide you through the functions, usage, and proper care of your Hoverjet. If you have any questions or cannot find the information you need in the manual, please contact your place of purchase or HOVERZON™ customer service. Before contacting customer service, please have your model number and purchase information ready as these may be needed during the call. HOVERZON™ customer service may be reached at 1-800-707-2655.

### **1.1 BOX CONTENTS**

Before using the skateboard, please check to ensure you received all of its parts.

- 1 x HOVERZON™ Hoverjet E-Skateboard
- 1 x Skateboard Charger
- 1 x Remote
- 1 x Remote Wrist Strap
- 1 x User's Manual

### **1.2 IMPORTANT INFORMATION**

Hoverjet has been designed for safe riding. However, as with any motorized product, the Hoverjet has inherent hazards associated with its use (such as: losing control and/or falling off, or accidentally riding over unstable terrain). Therefore it is important to read and follow all instructions and warnings in the User's Manual and exercise good judgment when riding.

By riding the Hoverjet, the user acknowledges and accepts personal responsibility of all risks associated with the use of the Hoverjet, which may include, but are not limited to, muscle injuries, broken bones, lacerations, or other serious injuries that may be sustained while using the Hoverjet.

### 1.3 SAFE RIDING TECHNIQUES

When operating, accelerating, decelerating, or braking, please keep your weight in line with the Hoverjet direction in which you are going and in accordance with the functions you are performing in order to increase your stability and avoid possible product damage.

- If braking, you should lean and/or shift weight slightly backwards.
- If starting, you should lean and/or shift weight slightly forward.
- When atop the board, stand with feet apart so that your weight is more evenly distributed over the board. This will improve your stability.
- Wearing appropriate clothing and safety gear including knee pads, elbow pads, wrist braces, and an ASTM F1492 approved helmet is recommended for ALL riders of ALL ages at ALL times.
- Avoid wearing anything that can drape over or get caught into/under the wheels.
- Wear flat shoes to maintain flexibility and stability.
- Ensure the vehicle speed is safe to yourself and others, and be ready to stop at any time.
- When riding near others, keep a safe distance to avoid collisions.
- Be alert to your surroundings in order to ensure a safe ride. Your eyes are your best tool to safely avoid obstacles and slippery surfaces.
- Stay in open spaces and flat areas. Avoid steeps, slopes or high traffic areas until you're familiar with riding.

## **WARNING**

- *Never ride at high speeds on uneven terrain or slopes.*
- *Never perform stunts or turn abruptly without checking your surroundings.*
- *Never carry one or more passengers on the Hoverjet with you.*
- *Never carry heavy items while riding.*
- *Never ride in the rain, dark, or dimly lit areas.*
- *Never use the Hoverjet to do anything that may cause personal injury or property damage.*
- *Never operate your Hoverjet near flammable vapor, liquids, dust, or other fire hazards.*

***FAILURE TO USE COMMON SENSE AND HEED THE ABOVE WARNINGS INCREASES THE RISK OF SERIOUS INJURY, OR IN VERY RARE CASES, DEATH. USE WITH APPROPRIATE CAUTION AND SERIOUS ATTENTION TO SAFE OPERATION.***

***TO PREVENT ELECTRIC SHOCK, MATCH THE WIDER PRONG OF PLUG TO WIDE SLOT IN OUTLET,***

## **CAUTION**

***FULLY INSERT.***

***FCC Regulations state that any unauthorized changes or modifications to this equipment not expressly approved by the manufacturer could void the user's authority to operate this equipment.***

***This product satisfies FCC Regulations when shielded cables and connectors are used to connect the unit to other equipment. To prevent electromagnetic interference with electric appliances such as radios and televisions, use shielded cables and connectors for connections.***

### 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.

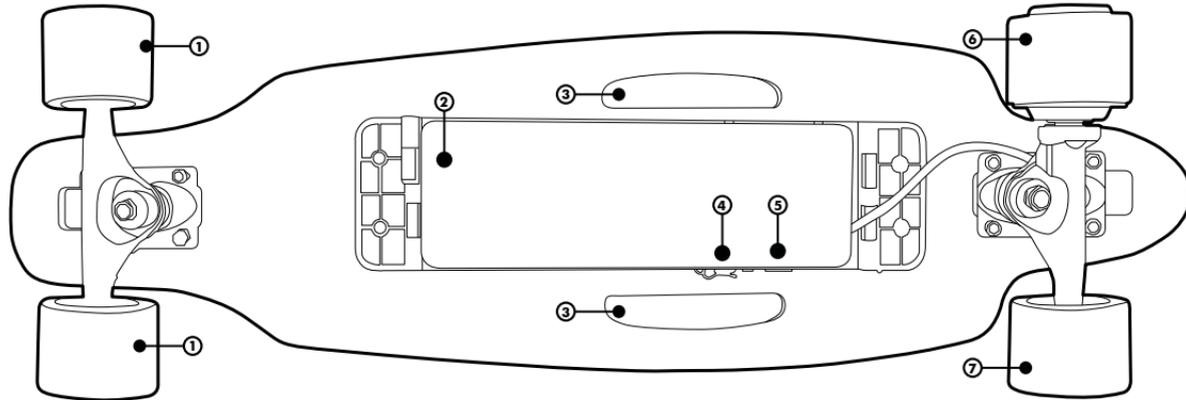
## 1.4 DISPOSAL AT END-OF-LIFE

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 Hoverjet 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 with 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: FEATURES

### 2.1 PARTS OVERVIEW

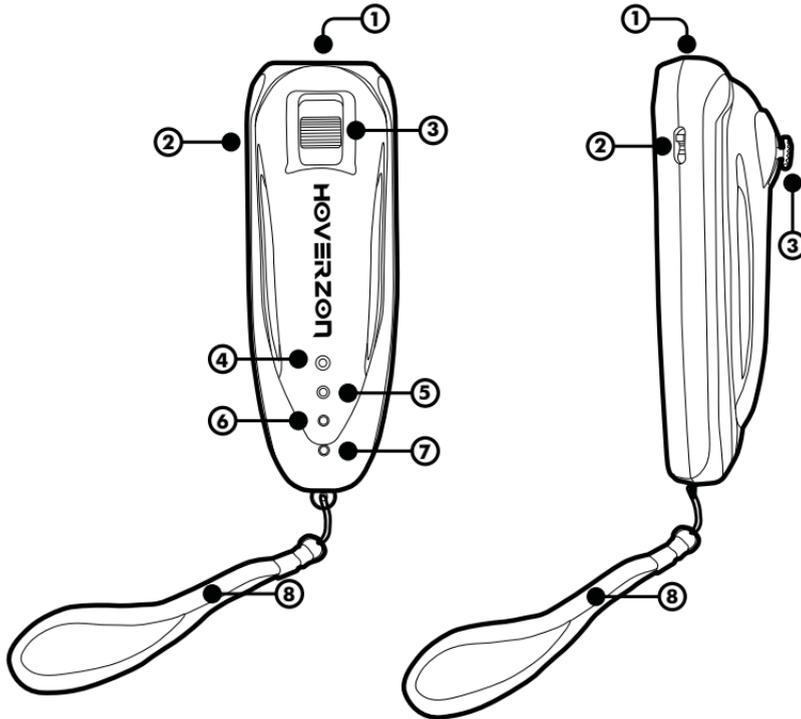


- 1. Front Passive Wheel
- 2. Control Box with LiFePo4 Battery
- 3. Grips
- 4. Charging Port

- 5. Power Button
- 6. Rear Motorized Wheel
- 7. Rear Passive Wheel

## 2.2 REMOTE CONTROL OVERVIEW

## 2.3 SPECIFICATIONS



### 1. MicroUSB Charging Port

*(Charging cable and adapter are not included.)*

### 2. Power Switch

### 3. Throttle/Brake

### 4. Cruise Control Light

### 5. Pairing Light

### 6. Skateboard Battery Light

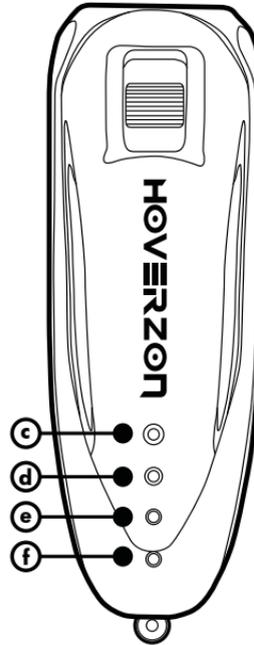
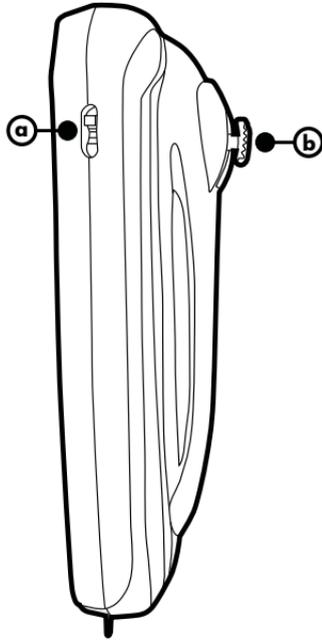
### 7. Remote Battery Light

### 8. Wrist Strap

Category	Items	Parameters
Performance	Top Speed	11 mph (17 km/h)
	Mileage Per Charge	4 - 10 Mi.
	Max. Load	< 176 lbs. (< 80 kg)
	Actual Dimensions	32 x 9 x 4.5 in.
	Charging Time	3 - 4 hrs
	Connective Range	29.5 ft (9 m)
Parts	Net Weight	9.5 lbs. (4.3 kg)
	Deck	7-ply Canadian Maple
	Passive Wheels	PU (Polyurethane)
	Motorized Wheel	Rubber, 24 V
	Battery	24 V Lithium Iron Phosphate (LiFePo4)
	Charger	UL DC 29.2 V 800 mA 
	Control Box	Aluminum Alloy Housing

## SECTION 3: USAGE AND INSTRUCTIONS

### 3.1 REMOTE FUNCTIONS



Item	Functions
a. Power Switch	Slide down to turn on. Slide up to turn off.
b. Throttle	Push up to accelerate. Acceleration speed depends on how far you push up the Throttle.
	Push up and hold for approx. 3 sec. to active <b>CRUISE CONTROL</b> .
	Push down to brake and/or decelerate. Push down to brake/decelerate. Braking speed depends on how far you push up the Throttle.
c. Cruise Control Light	When the feature is active, the light will turn <b>RED</b> and remain on. When the feature is off, the light will turn off.
d. Connection Indicator	The light will turn <b>WHITE</b> and <b>FLASHING</b> when the Hoverjet and remote are pairing. If the pairing is successful, the light will turn off. If the pairing failed, the light will continue to flash.
e. Hoverjet Battery Indicator	The light will turn <b>BLUE</b> when the Hoverjet and remote are connected and the Hoverjet is fully charged. The light will flash when the Hoverjet's battery is low.
f. Remote Battery Indicator	The light will turn <b>GREEN</b> when the Hoverjet and remote are connected and the remote is fully charged. The light will flash when the remote's battery is low.



***When not in use for approximately 10 minutes, the remote will automatically turn off. To use it again, turn the remote back on.***

## 3.2 PAIRING

### ! WARNING

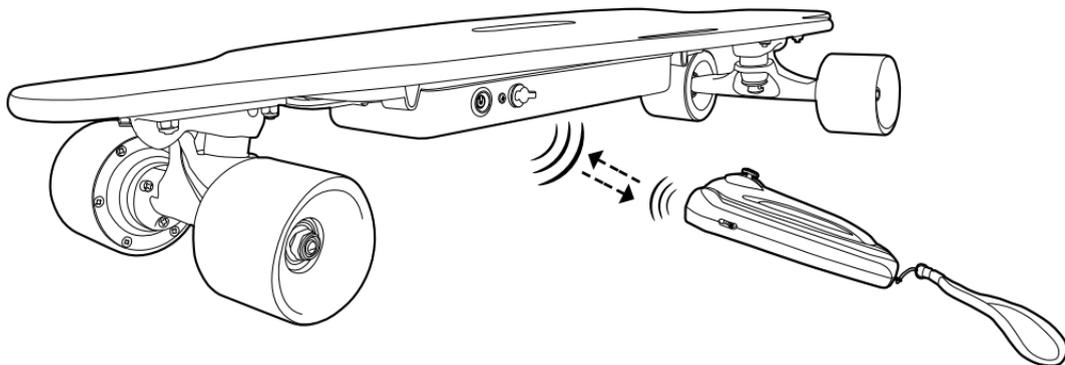
***Ensure the Hoverjet is fully charged and place it down with the Control Box facing the ground, before using it.***

Before the Hoverjet can be used, it must be connected to the remote. In general, the remote and the Hoverjet will automatically pair when they are both on. If the pairing is successful, the Pairing Light will turn off.

If an automatic pairing fails, the Hoverjet and remote will attempt to connect automatically for about 30 sec. If the pairing was unsuccessful, the remote and skateboard will need to be turned off and back on again to start another automatic pairing.

### ! CAUTION

***When not in use for approximately 10 minutes, the remote will automatically turn off. To use it again, turn the remote back on.***



### 3.3 STARTING AND STOPPING

#### **! WARNING**

*Before riding the Hoverjet, be sure you read the entire section so that you fully understand how to start and stop.*

#### **Starting**

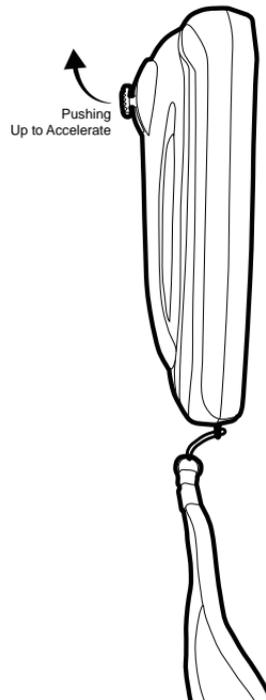
Follow the instructions below to learn the different ways to accelerate.

##### ● **Assisted Acceleration**

Push the Throttle up to move forward and/or accelerate. The speed at which the skateboard accelerates depends on how far up you push the Throttle i.e. pushing it slightly up will cause the skateboard to accelerate slower compared to pushing it farther up.

##### ● **Manual Acceleration**

Step onto the board with one foot. Use the other foot to kick off the ground and move forward. Several kicks may be needed depending on the terrain.



## Stopping

Follow the instructions below to learn the different ways to brake.

### ● Assisted Braking

Push the Throttle down to brake and/or decelerate. The speed at which the skateboard decelerates depends on how far down you push the Throttle i.e. pushing it slightly down will cause the skateboard to slow down more gradually compared to pushing it farther down.

### ● Manual Braking

There are three options. It is recommended to practice these methods at lower speeds until you are able to safely perform each. If possible, use the throttle for assisted braking while using any of these methods in order to aid with braking.

The first foot lifted off the board is known as the lead foot; this is the foot you will touch to the ground when stopping or landing.

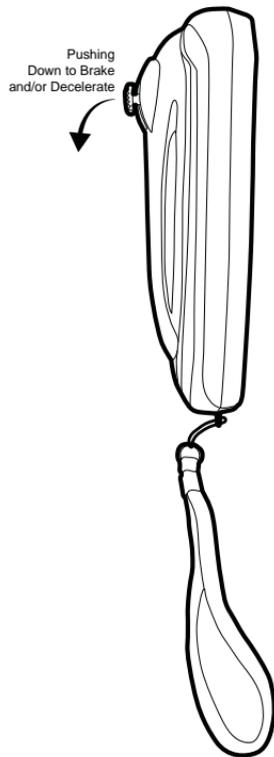
#### A. Hop-Off Stop



**CAUTION**

*This method is not recommended if riding at top speed (11mph).*

Lift your non-lead foot off the board as you prepare to jump off. As you jump off, shift your weight towards your non-lead foot while simultaneously using your lead foot to kick the board backwards before landing, non-lead foot then lead foot.



## B. Step Brake



### CAUTION

*This method may be used at top speeds (10-11mph), please exercise caution.*

Lift your non-lead foot off the board as you prepare to step on the ground. Shift weight to and place hands on the knee over your lead foot. Use your non-lead foot to step on and off the ground using as many steps as needed until you come to a complete stop before removing your other foot.

## C. Drag Brake



### CAUTION

*This method may be used at top speeds (10-11mph), please exercise caution.*

Lift your non-lead foot off the board as you prepare to stop. Shift weight to and place hands on the knee over your lead foot. Use your non-lead foot to drag against the ground. Continue to do so and come to a complete stop before removing your other foot.

## 3.4 CRUISE CONTROL



### WARNING

*Before using this feature, please ensure you understand how to turn it on and off.*

The Hoverjet may maintain the current speed without holding the throttle.

**To active Cruise Control, please follow the steps below:**

Step 1. Push and hold the Throttle up for about 3 sec.

Step 2. Let go of the Throttle and the Hoverjet will maintain the speed.

**To deactivate Cruise Control, please follow the steps below:**

Step 1. Push the Throttle up or down.

Step 2. Let go of the Throttle and Cruise Control will turn off.



***Cruise Control will be deactivated if either the Hoverjet or remote are at low battery, or the connection between Hoverjet and remote are lost.***

## SECTION 4: BATTERY

### 4.1 BATTERY SPECIFICATIONS

Items	Parameters
Battery Type	Li-On Fe Battery
Charging Time	3 - 4 Hrs.
Voltage	24 V
Weight	0.9 lbs (410g)
Working Temperature	5° F ~ 122° F (-15° C ~ 50° C)
Charging Temperature	32° F ~ 104° F (0° C ~ 40° C)
Dimensions	14.76 x 3.74 x 1.38 in.
Storage Humidity	65 ± 20% RH

### 4.2 CHARGING



***Before charging the Hoverjet and/or its remote, you MUST turn off both devices and be sure to observe the following instructions:***

- 1. Plug the charger into a grounded wall outlet (100V-240V; 50-60Hz).***
- 2. DO NOT attempt to operate or use the Hoverjet and/or its remote while either is charging.***

**3. Please keep your charging environment clean and dry.**

**4. If the charging port is damp or has any liquid on it, DO NOT charge your Hoverjet.**

**5. In order for the battery to operate at maximum efficiency, avoid charging your Hoverjet in extremely hot or extremely cold environments.**

**6. DO NOT charge the battery if there's excessive odor or heat and any leakage or physical damage.**

**When the Remote or Battery Indicator lights are flashing, the battery level is low and the Hoverjet and/or remote need to be charged. When these indicator lights remain steady, the batteries are fully or sufficiently charged.**

- **If the battery will not be used for an extended period of time, fully charge and discharge it once every other month.**
- **For your safety, only use the charger included with the Hoverjet or received from Hoverjet as a replacement.**
- **Disregarding any of the above instructions may cause battery damage. Damages caused by disregarding instructions are not covered under warranty.**
- **Disassembly and battery maintenance should only be performed by an authorized professional. DO NOT touch or consume any substances leaking out of the battery. DO NOT allow children and animals to touch or consume the battery.**

## **4.3 BATTERY USAGE 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 place the battery in fire or direct contact with heat.
- 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 protective technology 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 or cold 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.

## CAUTION

- ***If the Hoverjet will be used by children, the guardian should explain the contents of the User's Manual to the children. The guardian should provide adequate supervision to ensure that the device is being used as explained in the User's 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 batteries 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 specified battery charger provided in the package. DO NOT place the battery in or near fire, or under the 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.

## SECTION 5: WARRANTY

### 1 Year Limited Hardware Warranty

HOVERZON™ offers a ONE YEAR limited warranty covering the hardware of Hoverjet E-Skateboard (“Product”), limited to those residing in the 50 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 HOVERZON™ 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 Hoverjet, 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™**

© HOVERZON™. ALL RIGHTS RESERVED.