



M O V I N G   T H E   W O R L D

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**PANZER**

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**USER'S MANUAL**

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**BEFORE YOU BEGIN**

Before learning to ride your hoverboard, you must read and follow all instructions and warnings in this user manual. It is important that you follow all safety warnings and cautions that appear throughout the user manual and that you use good judgment when you ride your hoverboard.

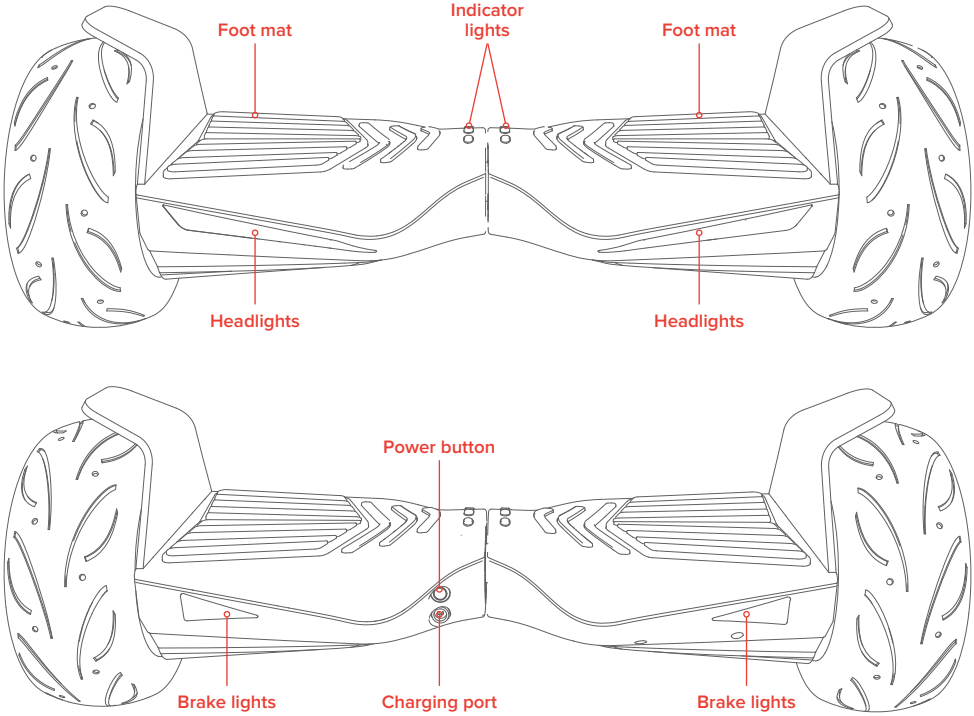
**THE RISK OF INJURY**

The hoverboard is a self-balancing, personal hoverboard that uses balancing technology. Balancing technology cannot prevent injury if you do not ride the hoverboard safely. To reduce risk of injury from loss of control, collisions and falls, you must read and follow all instructions and warnings in the user manual.


**DISPOSAL AND STORAGE**

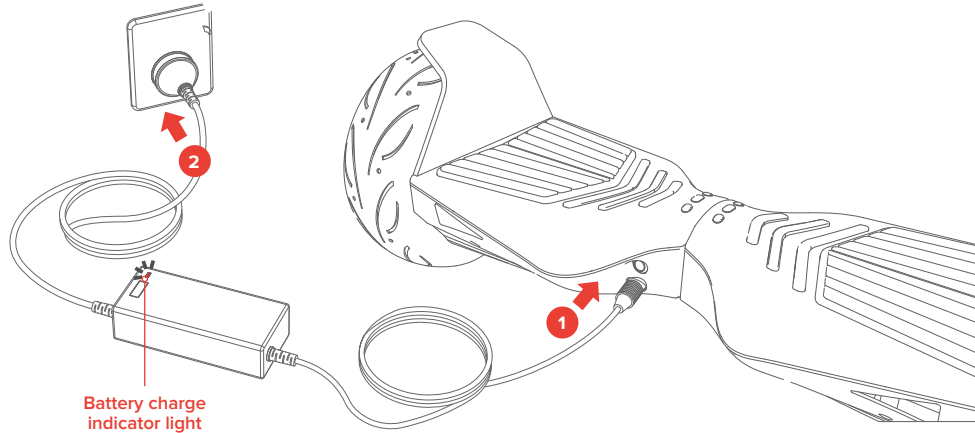
Disposal of according to local laws.

**MAIN COMPONENTS**





## CHARGING YOUR BATTERIES

 Do NOT insert the power cord plug if the charge port, power cord or AC power outlet is wet.



### BATTERY CHARGE INDICATOR LIGHT

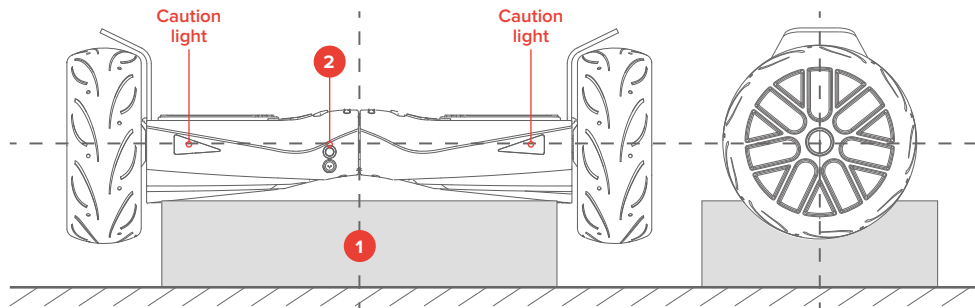
-  When hoverboard is plugged in and charging, battery charge indicator will be solid red.
-  If battery charge indicator is green, the batteries are fully charged.

## POWERING ON THE HOVERBOARD

Power on your hoverboard by pressing the Power button. The Power button is located on the back side of the hoverboard. The indicator lights will illuminate to indicate the power is ON.

### RESETTING THE HOVERBOARD

1. Put the hoverboard on a level surface where the wheels do not make contact with the ground.
2. Press the Power Button for 3-5 seconds until caution light flashes.
3. Turn OFF the hoverboard and turn ON again.



## INDICATOR LIGHTS

### 1. WARNING INDICATOR LIGHT (RED)

If the red warning light is flashing, there is an issue with the hoverboard (low battery, over speed or power issue).





### 2. BALANCE INDICATOR LIGHT (GREEN)

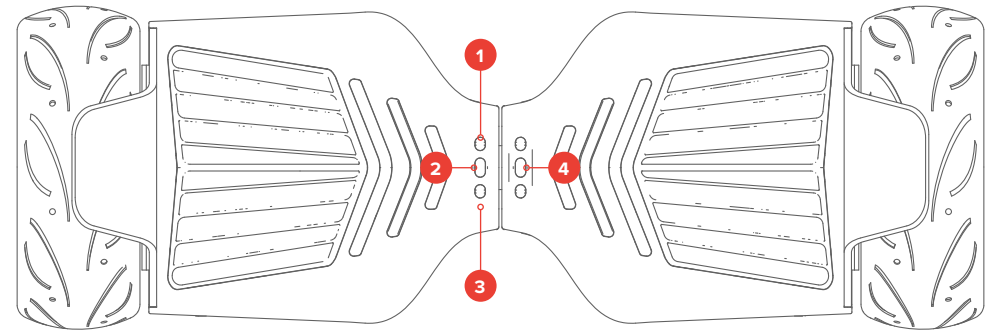
The hoverboard is in the Balance Mode with the ride on.

### 3. BATTERY STATUS INDICATOR LIGHT (GREEN)

When the power is on, the battery status indicator light will be solid green.

### 4. BATTERY LEVEL INDICATOR LIGHTS (GREEN)

-  Three green Battery Level indicator lights about 71-100% Power
-  Two green Battery Level indicator lights about 41-70% Power
-  One green Battery Level indicator light about 11-40% Power
-  No Battery Level indicator lights about 10% or less Power



## DOWNLOADING THE HX APPLICATION TO YOUR MOBILE DEVICE

1. Search HX via the App Store or Google Play.
2. Download to your smart phone to customise, locate and track your route.



Customise your riding experience from beginner to advanced levels

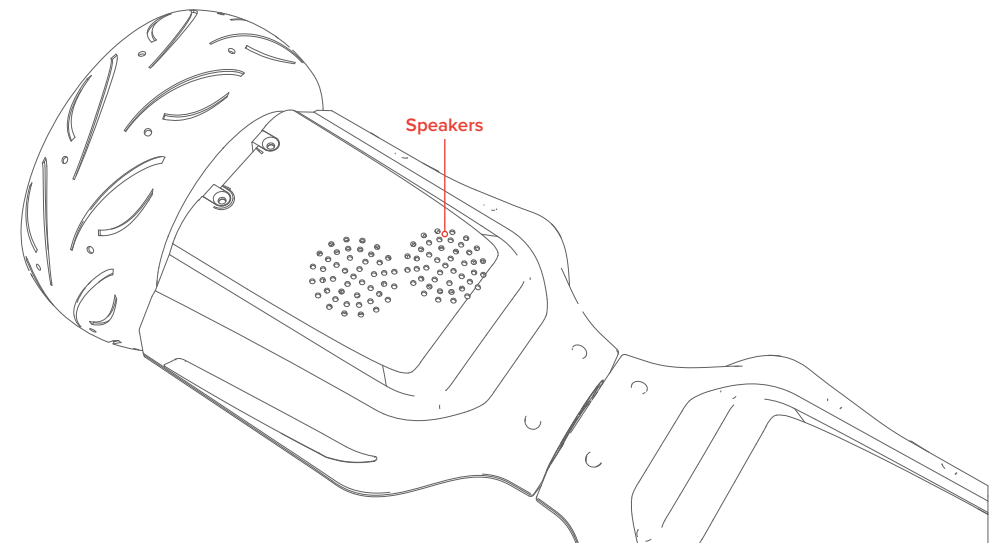
## PAIRING YOUR BLUETOOTH DEVICE

To pair with a Bluetooth® device follow these steps:

1. Make sure both the Bluetooth® function in your device and the hoverboard are turned on.
2. Open the hoverboard APP on your device to connect wirelessly to the hoverboard.
3. On your device, locate the Bluetooth® device list. Select "HX Panzer" from the list.

## RESETTING BLUETOOTH® MEMORY

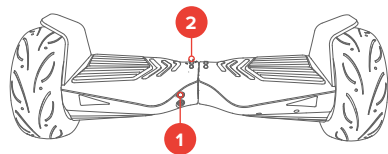
To reset Bluetooth® Memory, resetting the hoverboard is needed, Refer to Resetting the hoverboard (page 3).



## RIDING YOUR HOVERBOARD

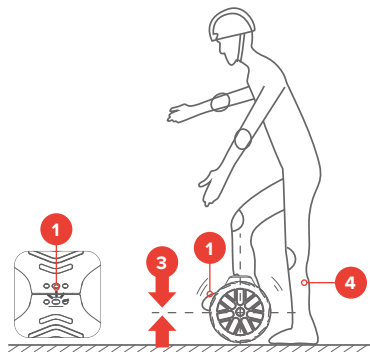
Before riding, make sure your hoverboard is fully assembled and charged, inspect your hoverboard before each use. Do not ride if any part is loose or damaged. The Hoverboard is highly manoeuvrable and allows you to easily navigate around obstacles. However, to prevent the loss of traction, you must always be careful when riding and learn to identify and avoid unsafe surfaces. Slippery, icy, or wet surfaces, loose materials (sand/gravel), steep slopes, and obstacles may affect the hoverboard performance. Familiarize yourself with the indicator lights that may be displayed on the hoverboard.

1

**Power on the Hoverboard**

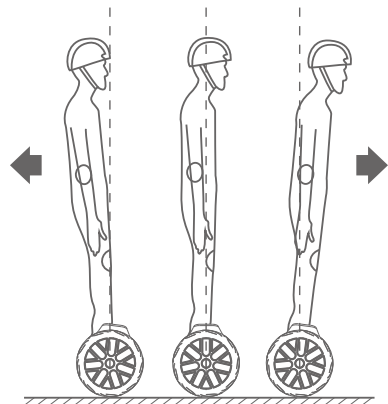
1. Power on by pressing the power button.
2. Make sure the Battery Status Indicator light is on.

2

**Getting on the Hoverboard**

1. Place one foot on the foot mat
2. The Balance indicator light will turn ON. Enabling the automatic balancing system.
3. Try to keep hoverboard steady and levelled.
4. Place your other foot on the other foot mat.

3

**Moving forward and backwards**

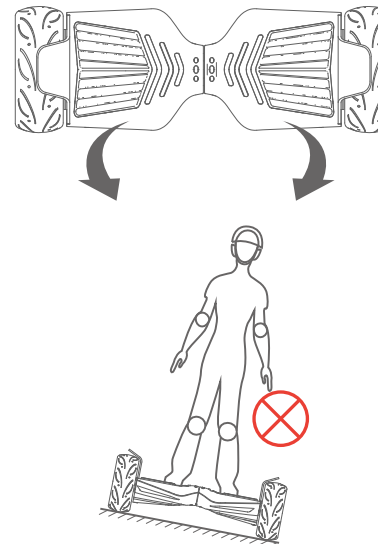
- ▶ Keep hoverboard still by remaining level when standing on it.
- ▶ SLIGHTLY lean your body forward or backward to enable the hoverboard to move forward or backwards respectively.

**NOTE:** When the hoverboard is unable to achieve a balanced position, an alarm will sound and trigger the Warning Indicator light. The hoverboard will return to a balanced position automatically. During this process, you should not step or ride the hoverboard.



- ▲ Body leaning should be done in small increments. Only small leaning angles are needed to drive the hoverboard forward or backwards.
- ▲ Leaning forward or backwards too much can affect riding safety.

4

**Steering the Hoverboard**

- ▶ Press right foot forward to turn left
- ▶ Press left foot forward to turn right.



- ▲ Do not turn while in high speeds to avoid dangerous situations.
- ▲ The hoverboard balance front to back but not side-to-side. Avoid riding across steep slopes.

5

**Getting off the Hoverboard**

Make sure the hoverboard completely stopped and stable before stepping off. Step off the hoverboard one foot at a time.

**SAFETY ALERTS**

While operating, the hoverboard can alert users if there are any irregularities in the system. If the hoverboard detects a fault in any of its redundant systems or the batteries are depleted beyond limit, it automatically slows down the motors. Flashes warning indicator light, emits a warning tone, and disables self balancing mode.

**HERE ARE SOME REASONS THAT WILL TRIGGER THE WARNING INDICATOR LIGHT:**

- ▶ Irregular platform angle.
- ▶ Low Battery Voltage
- ▶ Plugged in and Charging
- ▶ Platform disortion while riding (System Shutdown)
- ▶ Speed Limited reached
- ▶ Platform angle is greater than 35 degrees, (System Shutdown)
- ▶ Wheels get stuck
- ▶ Electrical Current Surge



- ▲ Risk of Fire, No User Serviceable Parts
- ▲ Do not get back on the hoverboard after until the condition that caused the warning alert has been identified and corrected.

- ▲ Never restart and ride your hoverboard after it has indicated an empty Battery condition or shutdown due to low Battery. The Hoverboard may not have enough power to keep you balanced. If you restart and continue riding, you risk failing. Also you risk damaging your batteries, resulting in reduced battery life and capacity.

## DRIVING SAFELY

When riding the hoverboard you risk serious injury from loss of control, collisions, and falls. It is your responsibility to learn how to safely ride the hoverboard in order to reduce this risk. To ride safely you must follow all instructions in the user material, including the user manual.

- ▶ Always wear proper attire when using the hoverboard, do not wear loose clothing that can catch in the tires and prevent proper steering.
- ▶ Never place anything on the foot mats except your feet.
- ▶ Avoid obstacles and surfaces that could result in a loss of balance or traction and cause a fall.
- ▶ Use caution when riding over any terrain change such as pavement to sand, grass or speed bumps.
- ▶ Avoid riding across steep slopes, maintain both tires in contact with the ground.
- ▶ Avoid holes, curbs and other obstacles.
- ▶ Avoid riding over any surface where the bottom of the hoverboard may impact any object.
- ▶ When using in sidewalk, make sure that one wheel does not drop off the curb,
- ▶ Use caution when riding in new environments.
- ▶ Make sure you leave enough wheel clearance.
- ▶ Be careful and considerate of others while riding.
- ▶ Always ride under control at a speed that is safe for you and those around you.
- ▶ Always be prepared to stop.
- ▶ Respect pedestrians by always yielding the right of way.
- ▶ Avoiding startling pedestrians, when approaching from behind, announce yourself and slow down to walking speed when passing, pass on the left whenever possible. When approaching a pedestrian from the front, stay to the right and slow down.
- ▶ In heavy pedestrian traffic conditions, slow down and proceed at the pace of pedestrian traffic. Pass only if there is ample space to do so safely. Do not weave in and out of pedestrian traffic.
- ▶ When riding with other Hoverboard riders, maintain a safe distance, identify hazards and obstacles, and do not ride side-by-side unless there is plenty of room left for pedestrians.
- ▶ Cross roads at designated crosswalks or signaled intersections. Do not jaywalk/ride.
- ▶ Only travel on a road when a pedestrian way is not available or when sidewalk use is not allowed. Do not ride your hoverboard on private property (inside or outside) unless you have obtained permission to do so.
- ▶ Learn about and obey applicable local laws and regulations.
- ▶ Inspect your hoverboard before ride it.
- ▶ Do not allow any person to use your hoverboard unless that person has carefully read this manual.
- ▶ Use caution on slopes, use caution when ascending, descending, or crossing slopes. When riding across any slope. Lean uphill to maintain balance
- ▶ Always turn slowly and with caution, Fast turns can lead to loss of control and falls.
- ▶ No passengers. The hoverboard is designed for one rider. Do not ride double or carry any passengers. Do not carry a child in your arms or in a child carrier while riding. Expectant mothers should not ride the hoverboard.
- ▶ Do not exceed the maximum weight limit (rider and all cargo) specified in this manual. If you exceed

the maximum weight limit, you are at greater risk of failing and injury. Also, the rider's weight must not be less than the minimum rider weight limit specified in this manual.

- ▶ Do not step off the hoverboard while moving always come to a stop before stepping off.
- ▶ Be alert. As with any other transportation device, you must be mentally alert to safely ride.
- ▶ Do not attempt to ride if you are ill or if you cannot comply fully with the instructions and warnings in this manual. Do not ride under the influence of alcohol or drugs. Avoid distractions. Do not use a mobile phone, or engage in any other activity that might distract you or interfere with your ability to monitor your surroundings while riding.
- ▶ When riding, keep both feet on the foot mats. Be relaxed, ride in a relaxed position with your knees and elbows slightly bent and head up.
- ▶ Do not ride backwards for long periods of time. Instead, turn and ride forward.
- ▶ Riding on the road. The hoverboard is not intended or recommended for primary use on roads. If you must ride on the road, or must cross the road, be extremely careful. Ride as far away from traffic as possible. Check to make sure that riding on the road is allowed by local law.
- ▶ Use the Beginner Setting and ride in areas free of obstacles and distractions until you are comfortable using and maneuvering your hoverboard, Practice at the beginner level until you can step on, ride forward and backward, turn, stop, and step off without any problems.

## PRODUCT SPECIFICATIONS

<b>Lithium-Ion Battery</b>	4.3Ah, 36V 154WH
<b>Motor</b>	Dual 400W Motor with Dual Independent Gyros
<b>Distance on full charge</b>	15 km / 10 miles
<b>Charging Temperature</b>	0°C to 40°C / 32°F to 104°F
<b>Charging time</b>	2 to 3 hours
<b>Input</b>	DC 42V ---2A
<b>Max Speed</b>	15 km / 9mPH
<b>Driving Mode</b>	Three (3) Selective Speed Modes
<b>Max Loading</b>	120kg / 264lbs
<b>Max Climbing Limit</b>	15 degree
<b>Temperature</b>	-10°C to 45°C / 14°F to 113°F
<b>Frame Material</b>	Aluminum with Plastic Components
<b>Wheel size</b>	220mm   8.5 inch
<b>Product Dimensions</b>	669 x 220 x 243mm / 26.4 x 8.7 x 9.6inch
<b>Net Weight</b>	14.5kg / 32lbs

## BATTERY SAFETY

- ▶ Do not use a battery if the battery pack casing is broken or if the battery emits an unusual odor, smoke, excessive heat or leaks any substance. Avoid contact with any substance seeping from the batteries.
- ▶ Keep out of reach of children and pets. Exposure to battery voltage could result in death or serious injury.
- ▶ Unplug or disconnect the hoverboard from AC power before removing or attaching batteries or performing any service. Never work on any part of the Hoverboard when it is plugged into AC power source. You risk serious bodily injury from electric shock as well as damage to the hoverboard.
- ▶ The cells within the batteries contain toxic substances, Do not attempt to open the batteries. Do not insert any object into the batteries or use any device to pry at the battery casing. If you insert an object into any of the battery ports or openings you could suffer electric shock, injury, burns, or cause a fire. Attempting to open the battery casing will damage the casing and could release toxic and harmful substances, and will render the pack unusable.
- ▶ Observe and follow all safety information on the warning label found on the batteries
- ▶ Failure to charge the batteries could result in permanent damage to them. Left unplugged, the batteries could fully discharge over time, causing permanent damage.
- ▶ Using only charging devices approved by Hoverboard and never attempt to bypass or override their charging protection circuits.
- ▶ Do not attempt to wash the hoverboard with a power washer or high pressure hose. Avoid getting water into the charge port. Always close the charge port cover after charging is completed. Make sure that the charge port is dry before you plug in the power cord, failure to follow these instructions could expose you to electric shock, injury, burns, or cause a fire.
- ▶ Do not submerge the batteries or platform in water, if you suspect the batteries or powerbase have been submerged or experienced water intrusion, do not attempt to remove the batteries. Do not plug the power cord into the hoverboard. Failure to follow these instructions could expose you to electric shock, injury, burns, or cause are.
- ▶ As with all rechargeable batteries, do not charge near flammable material.
- ▶ If you use, charge, or store the hoverboard batteries outside the limits specified, you may void the limited warranty, damage your batteries, and/or experience reduced range and ineffective battery charging.

**NOTE:** Lithium-ion batteries are regulated as "Hazardous Materials". Transporting Lithium battery by air, or other methods, might be prohibited by policies or law. Please contact the designated agents from the carrier company for more details.

## WARRANTY TERMS & CONDITIONS (INTERNATIONAL)

### Effective as of 1st January 2014

This warranty as outlined below solely covers distributors. Please contact your distributor for full product warranty.

1. HX® warrants this appliance to be free from defects in materials and workmanship and to perform satisfactorily under personal use for a period of 2 years from the date of purchase when used in accordance with the accompanying instruction book
2. Any warranties exceeding this standard period are offered as extended terms by the selling distributor and claimable only through that provider.
3. Defects that occur within this manufacturers warranty period, under normal use and care will be repaired or replaced at our discretion only if the selling distributor is unable to do so. This is done solely at our option with no charge for parts. This warranty does not extend to accessories included or purchased separately. Replacements can be offered for major faults as determined by your distributor and at their own discretion.
4. In the event that the goods requiring repair are under warranty, and this distributor is unable to provide the repairs, the customer is responsible for the cost of the return of the product to HX® (or their approved service provider) and also the cost of return to the customer.
5. Whilst in transit, the goods are at the owner's risk and any further damage during this transportation is not covered under warranty.
6. Customers should ensure that the product being returned is properly packaged so as to ensure that no damage occurs to the product during transit. To be able to process the warranty claim, ensure you have included an explanation of any problem; HX® will not fault-find and will only repair described faults as covered under warranty.
7. This full warranty is void if this appliance has been subjected to abuse, negligence, accident, alteration, failure to follow operating instructions, or the product has been exposed to abnormal or extreme conditions.
8. Cosmetic changes that do not affect performance, such as discolouration of parts of the product in the hands of the user or the effects of the use of abrasive cleaners will not be warranted or considered defects. The cleaning or removal of dirt and debris along with any damage caused by allowing them to build up is not covered by this full warranty.
9. This warranty does not cover normal wear and tear of the product or parts.
10. This warranty does not cover any defect caused by an accident, misuse, abuse, improper installation or operation, lack of reasonable care, unauthorised modification, loss of parts, tampering or attempted repair by a person not authorised by HX®.
11. The warranty will not apply if damage, malfunction or failure resulting from alterations, accident, misuse, abuse, fire, liquid spillage, maladjustment of customer controls, use on an incorrect voltage, power surges and dips, thunderstorm activity, acts of God, voltage supply problems, tampering or unauthorised repairs by any persons, use of defective or incompatible accessories, exposure to abnormally corrosive conditions or entry by any insect, vermin or foreign object in the product.
12. Warranty does not cover damage done to any product by using the machine with an alternate power source (solar, inverter, generator, etc.) and the use of these devices to power your appliance is not recommended.
13. You must keep your purchase docket/receipt as proof of purchase and as proof of the date on which the purchase was made. The purchase docket or receipt must be presented when making a claim under this warranty.
14. In the event the receipt of purchase is not presented, then this warranty is invalid. Consumer Law allows us to request reasonable proof of purchase to service a warranty claim.
15. This warranty does not imply, intend to or detract any consumer rights listed in and able to be enforced from Regulated Consumer Law, any condition which is found to be in breach of the consumer law, the single condition shall be void only and all other conditions remain in place.

**CONTACT US**

Please contact the distributor located in the Country where you made your original purchase for all Support, Servicing and Warranty.



