

# Parkit360 Force



## Owner's Manual

# Introduction





We know you're busy, and need to get that trailer moved. Now. So with that in mind, we've kept these instructions as brief as possible, but they are important, so please take a moment and check them out.

We want to make sure that you enjoy years of safe and trouble-free operation with your Parkit360 Force.



# In The Box




The Parkit360 Force is shipped in one box on a pallet. The main Parkit360 Force unit will be fully assembled. In addition to the main unit the box will also include:

<p>Parkit360 Handle</p>	 A photograph of the Parkit360 Handle, which is a long, white, cylindrical component with a black grip at one end and a black cable at the other. It is wrapped in white protective paper.
<p>Ball Mount</p>	 A photograph of the Ball Mount, a white, cylindrical component with a hole at one end.
<p>Ball Mount Tightening Bar</p>	 A photograph of the Ball Mount Tightening Bar, a long, thin, silver metal bar.
<p>Custom Hitch Ball</p>	 A photograph of the Custom Hitch Ball, a silver metal ball with a threaded stem.

<p>Parkit360 Force Main Unit</p>	 A photograph of the Parkit360 Force Main Unit, a white plastic device with two black tires and a central control panel, sitting on a concrete floor.
<p>#10 Flat Washers and Self-tapping Sheet Metal Screws</p>	 A photograph showing four self-tapping sheet metal screws and four flat washers arranged in two rows.
<p>Thrust Washer</p>	 A photograph of a thrust washer, a circular metal component with a central hole and a raised outer rim.
<p>5/23" Hex Key</p>	 A photograph of a 5/23" hex key, a long, thin metal tool with a hexagonal end.
<p>30" Standard Battery Connector (An 80" battery connector may be purchased online at: <a href="http://www.parkit360.com">http://www.parkit360.com</a>)</p>	 A photograph of a 30" standard battery connector, a red plastic component with two wires (one red, one black) attached.

# Assembly

Please follow these steps to assemble the Parkit360 Force using the assembled unit on page 2 as a guide:

<p>1. Insert the handle into the main unit as shown. Tighten the Allen screws to secure the handle</p>	
<p>2. Plug in the handle control cable as shown. The cable connection is keyed, so exercise care in connecting it together.</p>	
<p>3. Install the Battery Box (optional). The Parkit360 Force has the option of being powered using your trailer battery.</p> <p>Skip this step if you are using your trailer battery to power the Parkit360 Force.</p>	

The battery box is installed using the supplied self-drilling screws and flat washers.

Install the four screws with washers in the four corners of the battery box. Through the battery box and the motor cover.

**Note:** if you have the battery charger option, **do not install the screws into the battery charger area**, located below the motor cover on the left side of the unit.



Also, if you are using your trailer battery, you will need the optional 60" battery connector available online at: <http://www.parkit360.com>



4. Install the battery (optional). For the battery terminals the color code is as follows:

- a. RED is Positive
- b. BLACK is Negative

For the Battery Charger (optional) the color code is as follows:

- a. WHITE is Positive
- b. BLACK is Negative

For the 5-Pin Surge Brakes (optional) the color code is as follows:

- a. BLUE is Positive
- b. WHITE is Negative



5. Connect the battery connection plug as shown:



# Safety

**Please read the following safety notes before operating for the first time.**

The Parkit360 Force is not recommended for use on hills due to the possibility of a runaway trailer. The Parkit360 has been tested on grades up to 6% (3% when using EZ Connect option). Operation on grades steeper than 6% is not recommended, and could result in damage, injury, or death. The Parkit360 Force has been tested using a maximum grade of 6% and a minimum of 10% of the trailer weight in the hitch. If the hitch weight is too light, the unit could lose traction in challenging areas like hills or soft ground.

The Maximum Safe Trailer Weight depends on the model purchased:

- P360S      2,500 lbs.
- P360M      4,500 lbs.
- P360L      9,800 lbs.
- P360XL    11,000 lbs.

**IMPORTANT:** This unit is NOT intended for continuous operation. The maximum duty cycle is five minutes on, and five minutes off. DO NOT operate the Parkit360 Force for more than 5 minutes at a time. Doing so could result in overheating, and damage to the motor and wiring.

**SNOW HOG TIRE OPTION:** When using the Snow Hog Tires, the tongue weight should never exceed 500 lbs. Doing so could cause a tire failure.

The unit's main wheels operate in two modes: engaged, and freewheeling. The freewheeling mode is to make the unit easy to move into position. The wheels must NOT be in freewheeling mode when under load, or a runaway trailer could result.

# Operation

## Turning the unit on and off:

Push and hold the blue On/Off button for one second. The blue LED will come on to indicate that the unit is on and powered up.

When the unit is powered on, hold the blue On/Off button for one second to turn it off again.



Note: If the Parkit360 Force main unit is left in the "On" state for more than 10 minutes without any activity (operation in either direction), the module will turn off automatically, and the blue LED will turn off.

Note: Even with the unit in the "Off" state, the electronics in the module will continue to draw 18 mA (0.018 A) from the battery. If the unit is to be left off for any extended amount of time, it is advisable to disconnect the red main battery power plug.



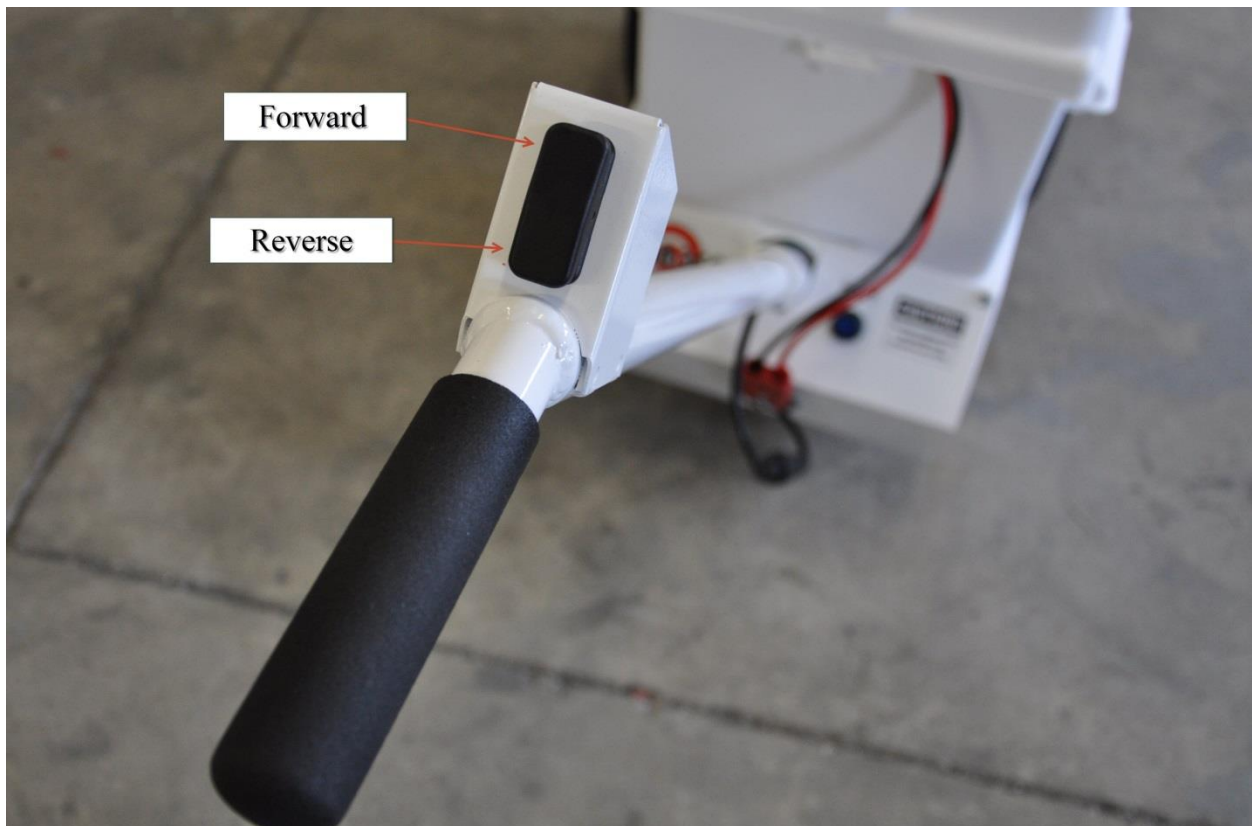
In addition to indicating that the Parkit360 Force is on, the blue LED also provides the following feedback conditions to the user:

LED State	Information
ON Steady	Parkit360 Force is powered up and ready for operation.
OFF	The Parkit360 Force is powered down.
Blinking slowly (once per second)	This starts as soon as the operator pushes the Rocker Switch to start the Parkit360 Force moving in either direction. This is normal operation. If the trailer brake control (optional) is installed, the power to the brakes is automatically released as soon as the unit starts to move in either direction.
Blinking fast (3 times per second)	This indicates the 12V battery voltage is getting low (<10 volts). The fast blinking will continue as long as the unit is moving (in either direction).
Blinking in the following pattern: three fast blinks followed by a long off period.	This indicates the 12V battery voltage is now critical (< 9 volts). After two seconds of this condition, the control module will turn off power to the Rocker switch. The unit will stop moving. The LED will continue to blink in this mode until the battery is recharged. This is designed to minimize damage than could occur by operating the Dolly with a battery that is below normal operating voltage.

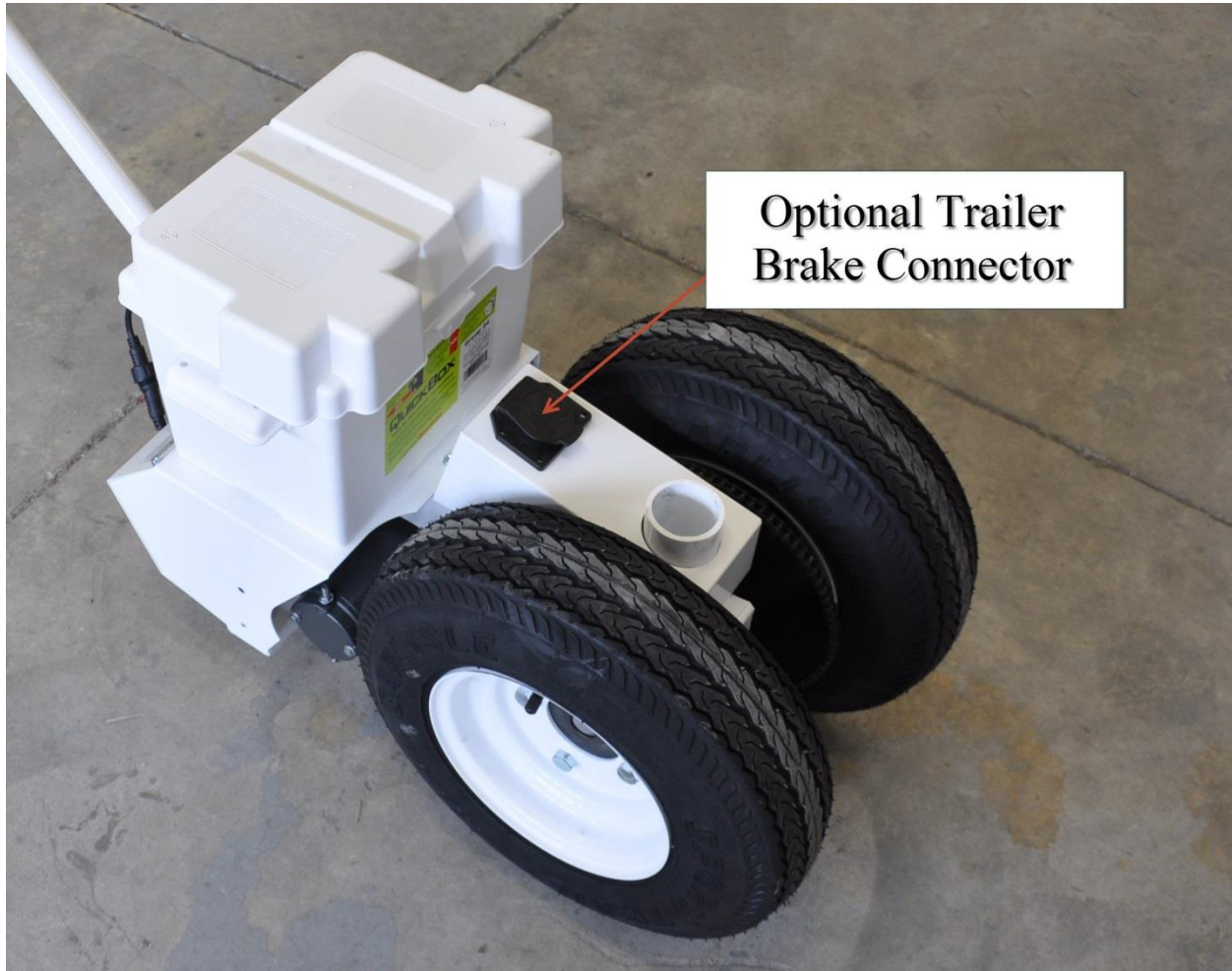
## Handle Control Switch:

For the following instructions, all of the directional terms used are from the point of view of the user standing behind the unit during normal operation, for example, when we refer to "Forward" this means that you are walking forward with the unit, which would mean that the trailer is backing up.

The Parkit360 Force unit is controlled using a single three-position switches. The switch remains in the neutral position unless Forward or Reverse is pressed.

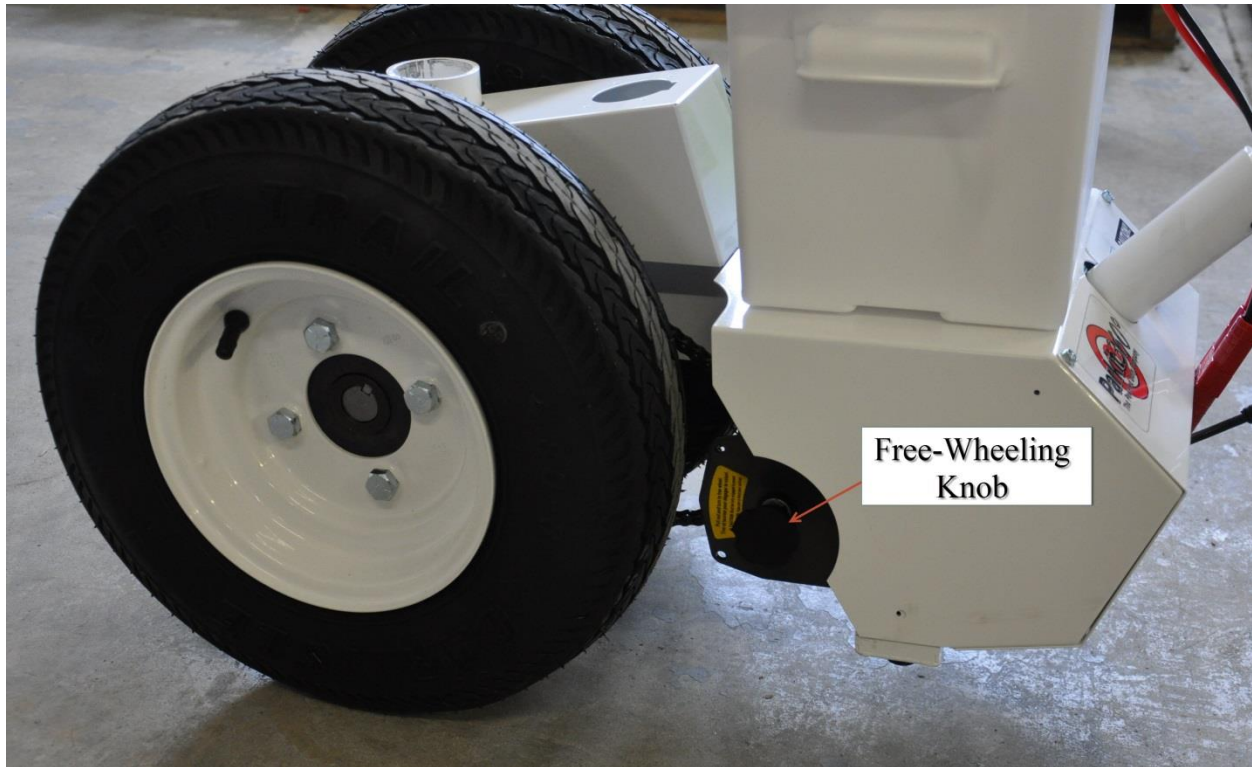


## Trailer Brakes:



The Parkit360 Force features a connection for your trailer brake system. When connected and powered on, the trailer brakes will be engaged automatically whenever the unit isn't moving.

## Engaging the Wheels and Freewheel mode:







The Freewheeling knob is used to change the wheels from engaged to freewheeling mode.

Pull and turn the knob (clockwise) to put the unit into freewheeling mode.

Pull and turn the knob (clockwise) to re-engage the wheels.

**To engage the wheels, it's important that the knob return to the fully seated position or damage may occur to the transmission. When the unit is new, you may need to move the unit, rocking the wheels back and forth a bit to make sure it's properly seated.**

## Hooking up to the trailer:

<p>1. Insert the ball mount into the receiver on the Parkit360 Force.</p>	
<p>2. Install the thrust washer on top of the ball mount.</p> <p>Apply all-purpose grease between the thrust washer and the ball mount collar.</p>	
<p>3. The Hitch Ball must be slightly below the surface of the outer Ball Mount Collar.</p>	
<p>4. With your trailer jack, lower the trailer down onto the ball.</p>	

5. With pressure off the dolly (using the trailer jack), tighten the ball mount collar (counter-clockwise) using the supplied tightening bar. As you tighten it, you will see the gap between the top of the thrust washer and the trailer tongue will close up.



6. Tighten the ball mount as tight as you can. Test the stability by pulling up and down on the Parkit360 Force handle

Lift the jack all the way up, and you're ready to go!



## Caution

**If The Parkit360 Force MUST BE STURDY under the trailer before you use it. If your Parkit360 Force is not sturdy under the trailer, you could damage the unit, your trailer, and cause serious injury, including death. Please be careful!**

## Hooking up the trailer: Alternate methods

### Jack Shaft Option

1. Remove the Ball Mount from the Parkit360 Force receiver
2. Lower the trailer jack into the receiver
3. You're ready to go!

#### Important:

**With the jack, lower your trailer as close to the Parkit360 Force wheels as you can without them rubbing on the trailer frame. Doing this will reduce strain on the jack shaft.**



### Telescopic Frame Adapter

1. Remove the Ball Mount from the Parkit360 Force receiver
2. Lower the telescoping pipe into the receiver
3. Slide the locking pin onto place
4. You're ready to go!




#### Important:

**Trailers with an articulated hitch should use the telescopic hitch adapter. DO NOT USE the ball and ball mount attachment. Doing so could cause damage to the unit, the trailer, or cause serious injury, including death.**



# EZ Connect Option

Please follow these steps to assemble and use the optional EZ Connect option:

<p>1. The EZ Connect option will be shipped with the EZ Connect frame, wheels (with mounting hardware), and ball.</p>	
<p>2. Mount the EZ Connect frame assembly into the Ball Mount Receiver as shown.</p>	
<p>3. Use the forward hole to mount the ball. This is the most stable configuration. However, the rear hole may be used if the forward one is not practical to use due to space considerations.</p>	

4. Finally mount the wheels using the supplied hardware. The unit is now ready to use.
5. **WARNING:** When using the EZ Connect option, please restrict operation to a **maximum 3% grade**, and **800 lbs of tongue weight**.



# Notes

## Battery

The Parkit360 requires a 12-Volt, Group (size) 24 deep-cycle RV or Marine battery with a recommended rating of 375 Cold Cranking Amps (CCA) or higher. A higher CCA rating will make the battery heavier, but will increase the useful running time of the unit.

The battery is not included with the unit, and must be purchased separately.

An optional on-board battery charger is available for the Parkit360 Force

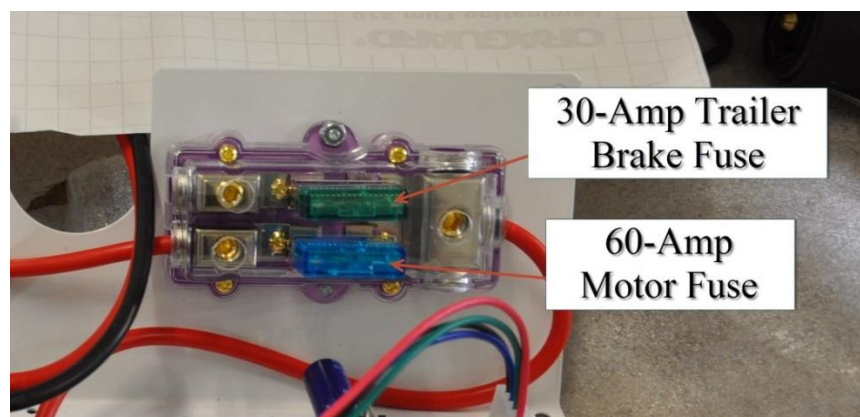
To charge the battery using the optional charger, simply plug in the charger plug into any 120V outlet.

The charger uses a slow charge, so it may take up to 14 hours to charge the battery depending on the condition of the battery.

## Fuse Block

The Fuse Block is located inside the motor cover, and holds the fuses for the main wheel motor and the trailer brake circuit.

The fuse arrangement can be seen in the diagram below:



## Maintenance

Maintenance on the Parkit360 should be performed annually under normal use conditions. If the unit is used more frequently, maintenance should be performed more often. The maintenance items are as follows:

1. Lubricate the chain with an approved chain lube
2. Grease drive shaft bearings
3. Grease ball mount/jack post receiver
4. Oil bushing between the freewheel knob and the drive gear

A video showing the proper procedure for chain adjustment and tightening can be seen online at: [http://youtu.be/8M4\\_NroWD-8](http://youtu.be/8M4_NroWD-8)

Proper maintenance will help ensure years of trouble-free use.

## Warranty

The Parkit360 comes with a 2-year replace or repair warranty. The warranty covers any factory defects on the Parkit360 Force.

The warranty does not cover:

1. Peeling or damaged paint
2. Motor burnout due to misuse
3. Labour charges on the unit itself or any other labour charges
4. Shipping charges

Parkit360 and SPH Welding and Fabrication are not responsible for any related labour or damages to any equipment, property, or personal injury.

## Troubleshooting

If you are experiencing any issues with your Parkit360, please contact us:

By phone at: 1.888.926.5517 ext.1

By email at: [sales@parkit360.com](mailto:sales@parkit360.com)

For any other information and tutorial videos, please visit us online at: <http://www.parkit360.com>

### P360 Warranty Terms

**Product Warranty.** PARKIT360 warrants that each of its new P360 Products will be free from material defects in workmanship and will perform substantially in conformance with their specifications for 2 years from the date of shipment to Reseller (the “**Warranty Period**”). The warranty period for a repaired or replaced product is three (3) months, and will expire on either the expiration of three (3) months or the expiration of the original warranty for the P360 Product, whichever is later. This warranty is given in favor of the Reseller.

PARKIT360 reserves the right to refund the purchase price of any P360 Product as its exclusive warranty remedy.

**Warranty Claims.** If a P360 Product fails to perform during the Warranty Period, Reseller must notify PARKIT360 in writing with full details of the defect or fault encountered with the P360 Product. PARKIT360 will provide technical assistance to Reseller to see if the issue can be resolved remotely. If the issue appears to be caused by defective parts, PARKIT360 will arrange to provide replacement parts. Replacement parts will be provided by PARKIT360 free of charge to enable Reseller to fix any issues encountered with P360 Products during the Warranty Period. PARKIT360 will ground ship the replacement parts to Reseller and Reseller will be responsible for covering all shipping and handling costs for such parts. Provision of replacement parts constitutes full satisfaction of any warranty claim.

**Voided Warranty.** PARKIT360 will have no liability or obligation to provide replacement parts for free or honor support obligation if:

- any P360 Product which is not properly used or maintained;
- the P360 Product is operated under abnormal operating conditions (eg. exceeding load capacity for that particular model);
- the P360 Product is improperly used or used for purposes for which it is not intended (eg. modified to lift (Tug) 5th wheel trailers); or
- the Warranty Period for the faulty P360 Product is over.

**Out of Warranty/Voided Warranty Assistance.** PARKIT360 may offer at its discretion out-of-warranty product support and/or support and replacement parts for products which the warranty does not cover. Please contact PARKIT360 by email for further information on these services including replacement parts costs which may be available to Reseller at a discount from list price.

### Parkit360 Return Policy

1. If within 30 days of the date of sale, a Customer finds a Product to have a material defect not specified in the catalogue (if there is any), or if the Product has not met the Customer's expectations, then subject to sections 2 and 3, the Customer may return the Product, within 30 days of receiving the Product, to the store of original purchase for full refund, less shipping expenses and a 20% restocking fee, provided that:
  - the Customer gives prompt written notice of that defect to the Seller;
  - the Goods so returned are in undamaged condition and accompanied by all packaging and accessories; and
  - the original sales receipt is presented.
2. The processing of any refund on the Product paid for by cheque will require 15 days from the date of return.

If the Product is not returned within 30 days of the date of customer receiving the Product, then the customer will be deemed to have accepted the Product.

### Exclusions and Limitations

3. The following defects and causes are not covered by this Policy:
  - a) those due to normal wear and tear of the Product arising from use;
  - b) those attributable in whole or in part to misuse of the Product;
  - c) those attributable to repair of the Product by any person other than an authorized dealer, or the installation of unapproved parts on the Product; or
  - d) those attributable to accident or to lightning, act of God, external fire, wind, rain, or damage or deterioration occurring during the course of transit, or as a result of vandalism or other deliberate act;
  - e) those due to any power surge, brown-out, leaking, damaged or inoperative batteries, or to connection to a power source having a greater rating than that specified in the operator's manual (in case of rechargeable batteries);
  - f) those caused by the Customer's neglect, improper use or storage, or failure to take care of and maintain the Product in accordance with the Owner's Manual and technical specifications provided therewith.

Notwithstanding anything to the contrary herein, Products with any of the above excluded defects may not be returned.

4. Alteration, defacing or removal of the serial number imprinted on the Product voids this Policy.
5. Those defects caused by failure of any part of the Product if that part is not being manufactured by the Seller; such product, if returned within 30 days of the date of sale, can be replaced with the product of similar or better quality.
6. Where, under this Policy, the Product is replaced with a new Product, this Policy will apply to the new Product as if the date of replacement was the date of the original purchase of the Product.

### Immaterial Defects-Right of Seller to Correct Deficiency

Where a Product fails to perform in accordance with the specifications, the Customer shall so notify the Seller, and shall allow the Seller 20 business days to repair that Product and cause it to perform in accordance with specifications, or to replace it with a new Product that does so perform, but where the Product or any replacement Product cannot be made to perform in accordance with specifications within that time, the Seller shall repurchase the Product from the Customer for the full purchase price, less shipping expenses and a 20% restocking fee. This repurchase will constitute a full settlement of all claims of the Customer against the Seller with respect to that Product.

Last Updated: October 1, 2014