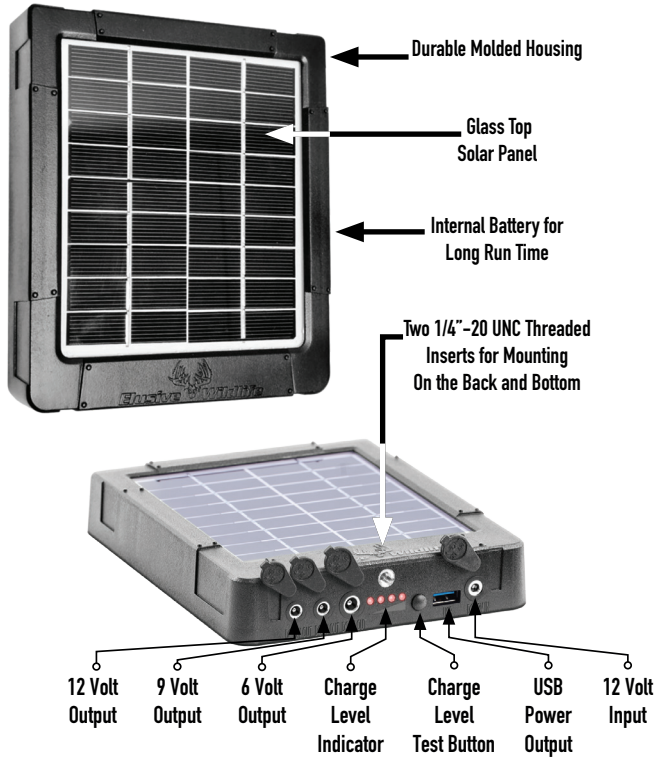


# REAKTOR™

## Universal Solar Power Pack

Thank you for purchasing the REAKTOR™ Universal Solar Power Pack from Elusive Wildlife Technologies, LP. Elusive Wildlife Technologies, LP and its affiliates do not condone or promote the use of any of our products as a means to illegally harvest any animal. Please take a moment to read these instructions thoroughly before initial use.



Scan code for a more complete & updated list of compatible devices.



REAKTOR™  
Solar Power Pack



Y Adapter  
Cable D  
(Sold Separately)

Y Adapter  
Cable E  
(Sold Separately)



Auxiliary  
Wall Charger



Power  
Cable A



Power  
Cable B



Power  
Cable C



Mounting  
Strap



Universal  
Swivel Mount

### Included in the Pack

#### REAKTOR™ Universal Solar Power Pack

2 Watt solar panel with a Lithium Battery that will output 12 volt and 6 volt, ideal for powering most trail cameras on the market.

#### Auxiliary Wall Charger

110/220 volt power adapter that outputs 12 volts 2.0 A. Perfect for charging the REAKTOR™ without the sun.

#### Universal Power Cables

**Power Cable A**, 4.0mm x 1.7mm on both ends. For supplying 12 volt power to devices with the same size plug.

**Power Cable B**, 5.5mm x 2.1mm on both ends. For supplying 6 volt or 9 volt power to devices with the same size plug.

**Power Cable C**, 5.5mm x 2.1mm on one end and 4.0mm x 1.7mm on the other end. For supplying 12 volt power to devices with 5.5mm x 2.1mm plug, or supplying 6 volt or 9 volt power to device with a 4.0mm x 1.7mm plug.

#### Mounting Strap

For use with the Universal Swivel Mount to attach to a tree or post in areas where attaching with screws is not permitted. Simply feed the Mounting Strap through the slots on the base of the Swivel Mount. Then fasten the strap around a tree and tighten using the cam buckle.

#### Swivel Mount

Attaches with screws or U-Bolt to a T-Post, feeder leg, pole, feeder drum, tree, post, or wall. Allows the REAKTOR™ to adjust position to receive the best possible sun.

#### Y Adapter Power Cables Are Sold Separately

**Y Adapter Power Cable D**, 4.0mm x 1.7mm on both ends, two male ends and one female end. For supplying 12 volt power to two (2) different devices with the same size plug, or for connecting multiple Solar Power Packs to the same device when more power is needed.

**Y Adapter Power Cable E**, 5.5mm x 2.1mm on both ends, two male ends and one female end. For supplying 6 volt or 9 volt power to two (2) different devices with the same size plug, or for connecting multiple Solar Power Packs to the same device when more power is needed.

## Assembly and Installation

### Finding a Suitable Place

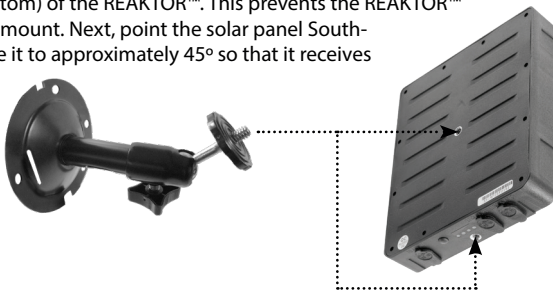
The REAKTOR™ Universal Solar Power Pack requires an entire day of full sun to charge properly. REAKTOR™ Packs that spend a portion of the day in the shade may not charge enough to supply the desired amount of power to your device.

### Assemble and Install the Universal Swivel Mount

First attach the swivel to the base by threading the swivel ball stud and tube into the base. Tighten firmly.

Using the U-Bolt, attach the Swivel Mount to a T-Post, feeder Leg, pole, or post. You may also use the self-drilling metal screws or wood screws to attach the Swivel Mount base to a tree, post, pole, feeder drum, or wall. Attach the REAKTOR™ Universal Solar Power Pack to the Swivel Mount using the threaded insert on the back or bottom of the panel. After threading the REAKTOR™ onto the swivel mount, tighten the round disk on the threaded ball joint so that it makes contact with the back (or bottom) of the REAKTOR™. This prevents the REAKTOR™ from rotating on the mount. Next, point the solar panel South-Southwest, and angle it to approximately 45° so that it receives the most sunshine.

Finally, tighten the thumbscrew to affix the ball joint in place and prevent swivel mount from moving.



If you are in an area that does not allow screws to be placed in trees, then you may attach the swivel mount to the tree using the Mounting Strap. Simply feed the Mounting Strap through the slots on the base of the Universal Swivel Mount. Then fasten the strap around a tree and tighten.

# Activating the REAKTOR™

## Activating / Deactivating the REAKTOR™

The first step to setup the REAKTOR™ Universal Solar Power Pack is to Activate it by pressing the Charge Level Test Button once. The indicator lights will flash and display the charge level. The REAKTOR™ is ready to use.

If the REAKTOR™ will not be used for a few days, it is advisable to fully charge the REAKTOR™ and Deactivate it to save battery power. Deactivate the REAKTOR™ by pressing and holding the Charge Level Test Button down for 8 seconds.



Press Once To Activate  
Press and Hold 8 Seconds to Deactivate

# Compatibility Chart

Brand/Camera/Device	Volts	Connector Size	Power Cable	Add Another REAKTOR™	Add Another Device
<b>Elusive Wildlife™</b>					
Kill Light® Pro 3 Color Light	6-12 v	5.5mm x 2.1mm	Cable B	Y Adapter E	Y Adapter E
Kill Light® Outfitter™ Light	12 v	5.5mm x 2.1mm	Cable C	Y Adapter D	Y Adapter E
Blind Sider-X2™ Light	6 v	5.5mm x 2.1mm	Cable B	Y Adapter E	Y Adapter E
18650 Charger Base	12 v	5.5mm x 2.1mm	Cable C	Y Adapter D	Y Adapter E
<b>Barn Owl Tech, Inc</b>					
RangeCam™ 4G	12 v	4.0mm x 1.7mm	Cable A	Y Adapter D	Y Adapter D
<b>Browning® Trail Cameras</b>					
Most Camera Models	12 v	5.5mm x 2.1mm	Cable C	Y Adapter D	Y Adapter E
<b>Bushnell®</b>					
All 2019-21 Models	8.4 v	Screw Connector	Ø	Ø	Ø
Trophy® Cam	6 v	4.0mm x 1.7mm	Cable C	Y Adapter E	Y Adapter D
<b>Cabela's®</b>					
Outfitter™ Camera	6 v	4.0mm x 1.7mm	Cable C	Y Adapter E	Y Adapter D
<b>Covert Scouting Cameras®</b>					
Most Camera Models	6 v	4.0mm x 1.7mm	Cable C	Y Adapter E	Y Adapter D
WC30 (WC Series)	12 v	4.0mm x 1.7mm	Cable A	Y Adapter D	Y Adapter D
<b>Cuddeback®</b>					
C & E Series	9 v	3.5mm x 1.3mm	Ø	Ø	Ø
G Series	6 v	4.0mm x 1.7mm	Cable C	Y Adapter E	Y Adapter D
J Series	9 v	4.0mm x 1.7mm	Cable A	Y Adapter D	Y Adapter D
K Series	9 v	4.0mm x 1.7mm	Cable A	Y Adapter D	Y Adapter D
H Series	12 v	4.0mm x 1.7mm	Cable A	Y Adapter D	Y Adapter D
<b>Moultrie®</b>					
Most Camera Models	12 v	5.5mm x 2.1mm	Cable C	Y Adapter D	Y Adapter E
<b>Muddy®</b>					
Manifest Series Cameras	12 v	5.5mm x 2.1mm	Cable C	Y Adapter D	Y Adapter E
<b>Primos®</b>					
Most Camera Models	12 v	5.5mm x 2.1mm	Cable C	Y Adapter D	Y Adapter E
<b>Reconyx®</b>					
Most Camera Models	12 v	4.75 mm x 1.7 mm	Cable A	Y Adapter D	Y Adapter D
MicroFire™	12 v	5.5 X 2.5 mm locking	Ø	Ø	Ø
<b>RidgeTec™</b>					
Lookout LTE Series Cameras	9-12 v	4.75 mm x 1.7 mm	Cable A	Y Adapter D	Y Adapter D
<b>Snyper™ Hunting Products</b>					
All Snyper™ Cameras	12 v	4.0mm x 1.7mm	Cable A	Y Adapter D	Y Adapter D
<b>Spartan®</b>					
All GoCam® Cameras	6 v	4.0mm x 1.7mm	Cable C	Y Adapter E	Y Adapter D
All Ghost Cam® Cameras	12 v	Screw Connector	Ø	Ø	Ø
<b>Spypoint®</b>					
Most Camera Models	12 v	5.5mm x 2.1mm	Cable C	Y Adapter D	Y Adapter E
<b>Stealthcam®</b>					
Most Camera Models	12 v	5.5mm x 2.1mm	Cable C	Y Adapter D	Y Adapter E
<b>Tactacam™</b>					
Reveal™ Series Cameras	12 v	4.0mm x 1.7mm	Cable A	Y Adapter D	Y Adapter D
<b>Wildgame Innovations™</b>					
Most Feeder Models	6-12 v	Spade Connector	N/A	N/A	N/A
Most Camera Models	6 v	4.0mm x 1.7mm	Cable C	Y Adapter E	Y Adapter D
Zero Trace Series	5 v	USB Cable	N/A	N/A	N/A
<b>WiseEye Technologies™</b>					
Smart Cam, Mini Cam	12 v	4.0mm x 1.7mm	Cable A	Y Adapter D	Y Adapter D
<b>Emergency Radios</b>					
Kaito™ KA500	6 v	5.5mm x 2.1mm	Cable B	Y Adapter E	Y Adapter E
Sanqean™ MMR-88	5v	USB Cable	N/A	N/A	N/A
Kaito™ KA500	6 v	5.5mm x 2.1mm	Cable B	Y Adapter E	Y Adapter E
Midland® WR120 NOAA	6 v	4.0mm x 1.7mm	Cable C	Y Adapter E	Y Adapter D

**CAUTION:** It is important to use the correct voltage for the device you wish to power. Using the wrong voltage may damage your device and void your warranty. If your device is not listed in the chart, please contact the manufacture to determine the required voltage and connector size.

# Charging the REAKTOR™

## Charging the REAKTOR™

The first step to setup the REAKTOR™ Universal Solar Power Pack is to charge the internal battery. This may be done in one of two ways, using the Sun or the Auxiliary Wall Adapter.

Using the Sun, place the REAKTOR™ where it will receive full sunshine for a day (6-8 hours). When completely charged, the Charge Level Indicator will show four solid red lights when the Charge Level Test Button is pressed.

Using the Auxiliary Wall Adapter, plug the adapter into a standard 110 volt wall outlet. Then plug the adapter barrel pin into the 12 Volt Input on the REAKTOR™. The Charge Level Indicator will blink while charging. When charging is complete (2.5-3 hours), all four red LEDs on the indicator will stop blinking and remain on.

# Connecting the REAKTOR™

## Determine the Correct Voltage

Determine the voltage of the device you wish to power. The REAKTOR™ will supply either 12 volts, 9 volts, 6 volts, or USB power to your device. See the Compatibility Chart to find the voltage for your device. **If your device is not listed in the chart, please contact the manufacture to determine the required voltage and connector size.**

## Determine Size Connector

The next step to setup the REAKTOR™ Universal Solar Power Pack to power your device is to determine the size of the external power port of your device. Use the Compatibility Chart to determine the connector size for you device.

The REAKTOR™ Universal Solar Power Pack comes with three power cables for installing multiple devices. The two Y Adapters for fitting multiple devices to a single REAKTOR™ or multiple REAKTOR™s to a single device are sold separately.

**Power Cable A**, 4.0mm x 1.7mm on both ends. For supplying 12 volt power to devices with the same size plug.

**Power Cable B**, 5.5mm x 2.1mm on both ends. For supplying 6 volt or 9 volt power to devices with the same size plug.

**Power Cable C**, 5.5mm x 2.1mm on one end and 4.0mm x 1.7mm on the other end. For supplying 12 volt power to devices with 5.5mm x 2.1mm plug, or supplying 6 volt or 9 volt power to device with a 4.0mm x 1.7mm plug.

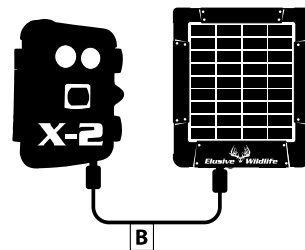
**Y Adapter Power Cable D (Sold Separately)**, 4.0mm x 1.7mm on both ends, two male ends and one female end. For supplying 12 volt power to two (2) different devices with the same size plug, or for connecting multiple Solar Power Packs to the same device when more power is needed.

**Y Adapter Power Cable E (Sold Separately)**, 5.5mm x 2.1mm on both ends, two male ends and one female end. For supplying 6 volt or 9 volt power to two (2) different devices with the same size plug, or for connecting multiple Solar Power Packs to the same device when more power is needed.

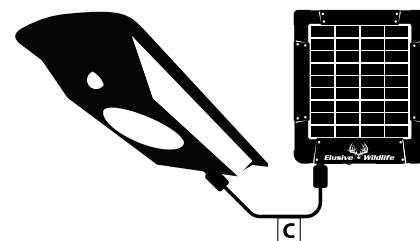
## Connecting A Single Device To A Single REAKTOR™

The REAKTOR™ is designed to supply 12 volt, 9 volt, 6 volt, or USB power to a single device.

**Example 1:** To power a Blind Sider-X2™, find the device in the Compatibility Chart. The Blind Sider-X2™ is 6 volts and requires Power Cable B. Plug one side of Power Cable B into the 6 volt port on the REAKTOR™ Universal Solar Power Pack and the other side into the Blind Sider-X2™.



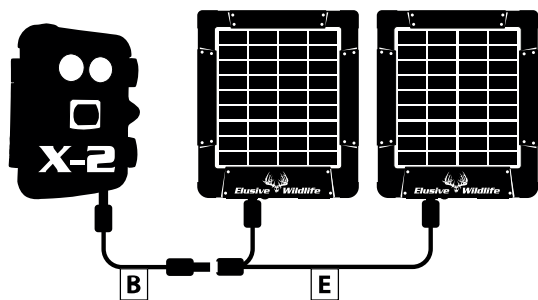
**Example 2:** To power a Kill Light® Outfitter™, find the device in the Compatibility Chart. The Kill Light® Outfitter™ is 12 volts and requires Power Cable C. Plug one side of Power Cable C into the 12 volt port on the REAKTOR™ Universal Solar Power Pack and the other side into the Kill Light® Outfitter™.



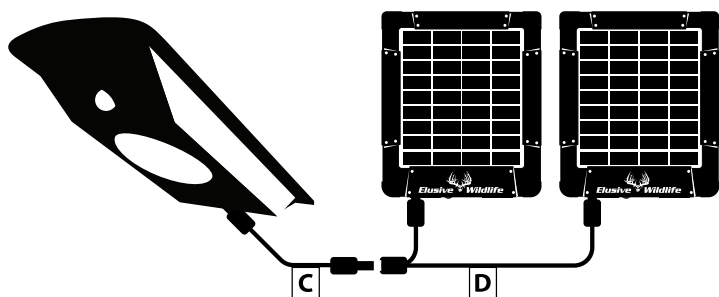
### Connecting A Single Device To Multiple Power Packs

The REAKTOR™ Universal Solar Power Pack is designed to be combined with additional Power Packs when more power is needed.

**Example 3:** If you wish to connect two Power Packs to one Blind Sider-X2™, then connect the Y Adapter E (sold separately) to the 6 volt power port on each REAKTOR™. Then connect the other end of the Y Adapter E to Power Cable B, and then to the Blind Sider X2™. To connect a third REAKTOR™, connect an additional Y Adapter E (sold separately) to the first Y Adapter E. This will give you space to connect three Power Packs. Additional Power Packs can be added using this same method.



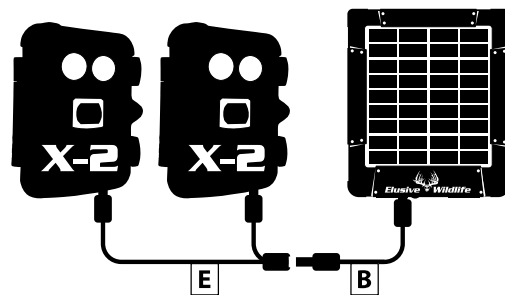
**Example 4:** If you wish to connect two or more Power Packs to one Kill Light® Outfitter™, then connect the Y Adapter D (sold separately) to the 12 volt power port on each REAKTOR™. Then connect the other end of the Y Adapter D to Power Cable C, and then to the Outfitter™. To connect a third REAKTOR™, connect an additional Y Adapter D (sold separately) to the first Y Adapter D. This will give you space to connect three Power Packs. Additional Power Packs can be added using this same method.



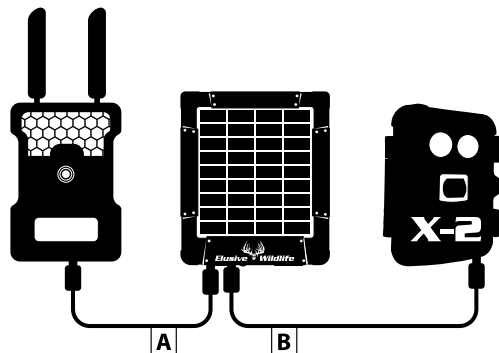
### Connecting Multiple Devices To A Single REAKTOR™

The REAKTOR™ Universal Solar Power Pack is designed to output both 12 volt, 9 volt, 6 volt, and USB power simultaneously if needed. This is helpful if you have multiple cameras covering different angles of a trail or want to add an additional light to your setup.

**Example 5:** If you wish to power two Blind Sider-X2™ lights with one REAKTOR™ Universal Solar Power Pack, then connect Y Adapter E (sold separately) to each Blind Sider-X2 and then connect the other end to Power Cable B. Next connect Power Cable B to the 6 volt port on the REAKTOR™ Universal Solar Power Pack.



**Example 6:** If you wish to power one Blind Sider-X2™ light and one 12 volt trail camera with one REAKTOR™, then connect one side of Power Cable B into the 6 volt port on the REAKTOR™ and the other side into the Blind Sider-X2™. Next connect one side of Power Cable A into the 12 volt or 9 volt port on the REAKTOR™ and the other side into the 12 volt or 9 volt trail camera.



## Troubleshooting & Helpful Tips

### ***I just received my REAKTOR™, why does it not turn my device on?***

The REAKTOR™ may not be Activated. If it is not Activated, the REAKTOR™ will not charge or output any power to the ports. To Activate, press the Charge Level Test Button once. The lights will flash and display the charge level of the internal battery.

Your device may not turn on if the REAKTOR™ is not charged fully before using. Depending on the charge level of the REAKTOR™, there may not be enough power to operate your device. Place the REAKTOR™ in direct sunlight for 6-8 hours for a full charge, or charge the REAKTOR™ with the Auxiliary Charging Adapter.

Another reason your device may not turn on is the incorrect power cable is being used. Some devices can operate on 6 or 12 volt power; however, this is very rare and the proper voltage should be used. Contact the manufacture of your device and verify the proper voltage needed to operate your device. Then select the correct Power Cable from the Compatibility Chart that fits into both your device and the proper voltage output port on the REAKTOR™.

### ***Is it important to face the REAKTOR™ Universal Solar Power Pack South?***

As with all solar powered products, the amount of sun that shines on the solar panel greatly affects its performance. The more sun exposure the REAKTOR™ receives, the longer it will operate your device. In the northern hemisphere, the sun's transit across the sky is south of "high noon". In fact, the farther north you are located, the lower the sun's transit is in the sky.

This means if the REAKTOR™ is not oriented south, it will spend some portion of the day in the shadow of whatever it is mounted to. This will reduce the amount of sun exposure the solar panel receives and it will not receive a full charge.

### ***What is the best angle to set the REAKTOR™ for charging in the sun?***

**The quick setup:** place the REAKTOR™ facing the South-Southwest at a 45° angle.

**The long answer:** it is much to complicated to answer this adequately in this troubleshooting guide. However, The National Renewable Energy Laboratory ([www.nrel.gov/rredc/solar\\_resource.html](http://www.nrel.gov/rredc/solar_resource.html)) is a great resource for information on optimum solar panel performance. If your latitude is between 25° and 50° (continental United States), then you can calculate the best tilt angle for summer months using the following formula. Take your latitude, multiply it by 0.93, then subtract 21 degrees. Use the following formula to calculate the best tilt angle for winter months. Take your the latitude, multiply it by 0.875, then add 19.2 degrees. The best time to adjust to your summer angle is April 1st, and the best time to adjust to your winter angle is September 1st.

**The Short answer:** For those who want to set the best all-year-long angle for their latitude once and leave it alone, use the following formula to determine the best fixed angle for your REAKTOR™. If your latitude is between 25° and 50°, take your latitude, multiply it by 0.76, then add 3.1 degrees.

### ***My REAKTOR™ does not power my device for long enough, what can I do?***

Your REAKTOR™ may not be receiving enough sunlight to completely charge the internal batteries. It is important that the REAKTOR™ face south to receive the most sun. Move the REAKTOR™ to another location that receives more sunlight. If there is no nearby location that receives more sunlight or if your location is under dense tree cover, then two or more REAKTOR™ packs may be needed to provide enough power. Another reason may be that your device requires more power than a single REAKTOR™ can provide. Two or more Power Packs may be combined using the Y Adapter Cable (sold separately) to provide more power for higher drain devices.



# Other Products & Accessories Available From ElusiveWildlife.com



**BlindSider-X2 Pro**  
3 Color Motion  
Feeder / Bait Light



**Kill Light®**  
Pro 3 Color  
Feeder Light



**Outfitter™**  
Motion Activated  
Feeder Light



**Tree Mount**  
Ideal For Cameras  
and REAKTOR™



**T-Post Mount**  
Ideal For Cameras  
and REAKTOR™

## Typical Run Times

### Powering Your Device

The amount of time the REAKTOR™ will power your device depends on a number of factors: the amount of sun received by the solar panel, the charge level of REAKTOR™, the power requirements of your device, the number of devices being powered, and the number of Power Packs combined to power your device.

Here are a few run times you may expect when using one fully charged REAKTOR™ to power these devices.



**All Previous Kill Light® Photocell, The Kill Light® Motion Activated, And Xtreme Bright Feeder Lights:** The REAKTOR™ Universal Solar Power Pack will operate the Kill Light® Photocell and the Kill Light® Motion Activated feeder lights for up to 6 hours straight on a single charge, the Kill Light® Xtreme Bright Motion Activated feeder light for up to 2 hours straight on a single charge.



**Kill Light® Pro 3 Color Motion Activated Feeder Light:** The REAKTOR™ Universal Solar Power Pack will operate the Kill Light® Pro 3 Color feeder light (set to green) for up to 3 hours on 4X Extreme, 8 hours on 2X Boost, and 15 hours on 1X Standard brightness settings.



**The BlindSider-X2™ Pro 3 Color Motion Activated Feeder/Bait Light:** The REAKTOR™ Universal Solar Power Pack will operate the BlindSider-X2 Pro (set to green) for up to 3 hours on 4X Extreme, 8 hours on 2X Boost, and 15 hours on 1X Standard brightness settings.



**The Outfitter™ Motion Activated Feeder Light:** The REAKTOR™ Universal Solar Power Pack will operate the Outfitter™ light for up to 24 hours straight in low power mode, and up to 16 hours straight in Mode 5.



**The Kill Light® Battery Charger:** The REAKTOR™ Universal Solar Power Pack will operate the Kill Light® battery charger. It will charge a single Piglet™ 16340 battery in under two hours. In an emergency, it can provide a partial charge to the 18650 Kill Light™ batteries.

ALL PRODUCT NAMES, BRANDS, TRADEMARKS, AND REGISTERED TRADEMARKS ARE PROPERTY OF THEIR RESPECTIVE OWNERS. ALL COMPANY, BRAND, PRODUCT, AND SERVICE NAMES USED ARE FOR IDENTIFICATION PURPOSES ONLY. USE OF THESE NAMES, TRADEMARKS, AND BRANDS DOES NOT IMPLY ENDORSEMENT. ALL OTHER TRADEMARKS ARE THE PROPERTY OF THEIR RESPECTIVE OWNERS.

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## Warranty

Elusive Wildlife Technologies, LP warranties this product for a period of one year from original date of purchase. This warranty covers manufacturer defects as well as malfunction during normal operation. Please complete the warranty registration and mail it in along with proof of purchase to register your light. You may also e-mail your registration and proof of purchase to [info@elusivewildlife.com](mailto:info@elusivewildlife.com).

Your REAKTOR™ Universal Solar Power Pack is water resistant when installed correctly. Do not submerge, this will void your warranty. Take care to insure the REAKTOR™ is mounted properly and securely.

Elusive Wildlife Technologies, LP will not warranty any product damaged by user neglect or failure to adhere to these instructions and guidelines. No products will be warranted due to animal damage, or theft.

## REAKTOR™ Universal Solar Power Pack Warranty Registration

_____	_____
Date of Purchase	Name
_____	_____
Address	City, State, Zip
_____	_____
Brand & Model of device for which you intend to use with the REAKTOR™ Universal Solar Power Pack	
_____	_____
Phone	E-mail
_____	_____
Name of store where purchased	Received as a gift <input type="checkbox"/> or Purchased for yourself <input type="checkbox"/>

Please rate your level of satisfaction with this product from 1-10 with 10 being most satisfied. If you have yet to use this product, please circle N/A. Please circle one.

1   2   3   4   5   6   7   8   9   10   N/A

Elusive Wildlife Technologies, LP respects your privacy and we will not sell or provide your personal information to any other party. However, we would like to occasionally send you information about your Elusive Wildlife product or special offers. If you do not wish to receive this information please check here .

Please mail or e-mail warranty info to:  
**Elusive Wildlife Technologies, LP • 1107 West Dallas Street**  
**Suite A • Conroe, TX 77301**  
**800-780-6861 email: [info@elusivewildlife.com](mailto:info@elusivewildlife.com)**