

# ACTON ROCKETSKATES™ OWNER'S MANUAL

## WARNING!

RISK OF DEATH OR SERIOUS INJURY

WEAR HELMET AND PROTECTIVE GEAR AT ALL TIMES

Improper use of ACTON Rocketskates™ can lead to serious injury or even death due to loss of control, falls and collisions. Please read and follow all instructions in this Owner's Manual prior to using Rocketskates™.

DO NOT RETURN TO STORE!

NOTE: Manual illustrations are for demonstration purposes only. Illustrations may not reflect exact appearance of actual product. Specifications are subject to change without notice.

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# IMPORTANT



Do not use ACTON Rocketskates™ until you read and thoroughly understand the Owner's Manual. It contains information critical to your safety.



It is extremely important that you follow the safety guidelines contained in this manual at all times to ensure maximum safety.



Failure to comply with the standards outlined in the manual could result in serious injury.



ACTON is not liable for any damage or injury caused by unsafe usage or faulty repairs. Any repairs made to this product by unauthorized service technicians are the sole responsibility of the owner.

# CAUTION



RocketSkates™ are only for people 16 years of age and older.



Always wear protective gear including knee, elbow, and wrist guards and an approved safety helmet when riding the RocketSkates™.



Only use RocketSkates™ on paved surfaces or on gentle slopes. Do not use on dirt, sand, deep slopes, or slippery surfaces. Use caution when going down hill.



LEAN FORWARD TO MAINTAIN YOUR BALANCE.



Do not jump with RocketSkates™, you may damage the motors.

## I. SAFETY WARNINGS

### A. General Disclaimer

Riding ACTON RocketSkates™ can be a dangerous activity. Certain conditions may cause the equipment to fail without fault of the manufacturer. Like other electric transportation products, ACTON RocketSkates™ are intended to move and accordingly it is possible for the rider to lose control, fall, collide with other objects and/or get into dangerous situations that no amount of care, instruction or expertise can completely eliminate. If such things occur you can be seriously injured or die, even when using safety equipment and using other precautions.

RIDE AT YOUR OWN RISK AND USE COMMON SENSE.

This manual contains many warnings and cautions concerning the consequences of failing to maintain, inspect or properly use your ACTON RocketSkates™. Because any incident can result in serious injury or even death, we repeat the warning of possible serious injury or death.

WEAR HELMET AND PROTECTIVE GEAR AT ALL TIMES.

### B. Age, Weight & Health

ACTON RocketSkates™ are designed for adults and for older teens. The recommended rider age is 16 years of age and older. Notwithstanding this age recommendation, any rider unable to fit comfortably in ACTON RocketSkates™ should not attempt to use it. Keep ACTON RocketSkates™ away from small children and young teens. ACTON RocketSkates™ are only intended for use only by persons who are, at a minimum, completely comfortable and competent while operating ACTON RocketSkates™.

DO NOT EXCEED THE WEIGHT LIMIT OF 275 LBS. Rider weight does not necessarily mean a person's size is appropriate to fit or maintain control of ACTON RocketSkates™.

### C. Conditions for safe riding

Always check and obey all local laws or regulations which may affect the locations where ACTON RocketSkates™ may be used. Ride defensively. Watch out for potential obstacles that could catch your wheels, force you to swerve suddenly, or lose control. Be careful to avoid pedestrians, rollerbladers, motor vehicles, skateboarders, other RocketSkates™ riders, scooters, bikes, children or animals that may enter your path. Do not activate Normal or Pro mode on the ACTON App unless you are on RocketSkates™ in a safe environment suitable for riding, and you are comfortable maintaining control of RocketSkates™.

Do not touch the wheels or any moving parts on your RocketSkates™ when in use or immediately after the discontinuation of riding, as these parts can become very hot and may burn you.

Do not attempt or do stunts or tricks on your RocketSkates™. RocketSkates™ are not made to withstand abuse from misuse such as jumping, curb grinding or any other types of stunts. RocketSkates™ can break from the stresses incurred by these activities. Any such misuse will void the warranty.

RocketSkates™ are designed to be ridden by only one person at a time. Do not carry another person or animal while riding RocketSkates™. Do not use near swimming pools, holes, cliffs, or other uneven terrain.

Do not ride your RocketSkates™ in wet or icy weather and never immerse the RocketSkates™ in water, as the electrical and drive components could be damaged by water or create other possibly unsafe conditions.

RocketSkates™ are intended for use on flat, dry surfaces such as pavement or level ground without loose debris such as sand, leaves, rocks or gravel. Wet, slick, bumpy, uneven or rough surfaces may impair traction and contribute to possible accidents. Never risk damaging surfaces such as carpet or flooring by use of RocketSkates™ indoors.

Do not ride RocketSkates™ at night or when visibility is limited.

Before riding, be sure to check that all four wheels, buttons, and straps are secured properly. Do not ride the ACTON RocketSkates™ when it is raining. Always ride on dry paved surfaces. Gravel, wet, and uneven surfaces are hazardous.

Check if battery is properly installed and charged. Check battery level through the ACTON App. Do not place the battery near heat or fire. Do not expose the charger to water or any moisture.

Do not forget to power off the ACTON RocketSkates™ after each use pressing both power buttons on the back of each skate.

Always wear proper protective equipment such as an approved safety helmet (with chin strap securely buckled), wrist guards, elbow pads and kneepads. A helmet may be legally required by local law or regulations in your area. A long-sleeved shirt and long pants are recommended. Always wear athletic shoes (lace-up shoes with rubber soles), never ride barefooted or in sandals, and keep shoelaces tied and out of the way of the wheels, motor, and drive system.

#### **D. Battery Handling & Disposal**

ACTON RocketSkates™ comes with a charger and the charger should be regularly examined for possible damage to the cord, plug, enclosure or other parts; and in the event of damage, please do not attempt to charge RocketSkates™ until the charger has been repaired or replaced. While it is safe to charge one at a time, it is recommended to always charge both together. Unplug charger and disconnect from RocketSkates™ when not in use.

Battery is best used under optimal conditions. Temperature **50-75F (10-24C)**, absolute humidity **45-85%**.

**Charger / Battery Safety Warning:** Use only the recommended charger and use caution when charging. The charger should be operated only by an adult. Do not operate charger near flammable materials. Make sure the power is turned off prior to removing/replacing batteries from the chassis. Make sure the power switch is turned off whenever the RocketSkates™ are not in use. Never store the batteries in freezing or below freezing temperatures. Always disconnect from the charger prior to wiping down and cleaning your RocketSkates™ with any liquid.

**Proper Charger Use:** Your RocketSkates™ may not have a fully charged battery when first received. Accordingly, you should charge the battery prior to your first use.

**Run time:** Up to 45 min, 60 min, 90 min of continuous riding time (depends on model)

**Recharge time:** 1.5 hours, 2 hours, 2.5 hours (depends on model)

**Average battery life:** 600 charge/discharge cycles

When the RocketSkates™ are not in regular use, recharge the battery at least twice a month until normal use is resumed. Do not wrap it with conductive material- damage could be caused by direct contact between conductive material and battery. Do not short circuit by linking connectors together. Do not demolish or disassemble the battery by yourself. Do not store the battery in a damp place.

**FAILURE TO FOLLOW THE ABOVE WARNINGS INCREASES RISK OF SERIOUS INJURY. USE WITH APPROPRIATE CAUTION AND SERIOUS ATTENTION TO SAFE OPERATION.**

## E. Radio Interference Precaution

ACTON RocketSkates™ incorporates a sophisticated communication algorithm to ensure stable connection between Lead and Follower skates. But in some rare cases connection may be lost between the two skates. As a safety precaution, skates will shut off immediately when the connection is lost. You need to manually restart both skates using the buttons on the backs of each skate, in order to re-establish connection. If a loss of connection happens more than once, stop using the skates immediately and avoid using the RocketSkates™ again in such areas.

Try to avoid areas with high-power radio-transmitting equipment such as a radio tower. Please contact ACTON for further assistance.

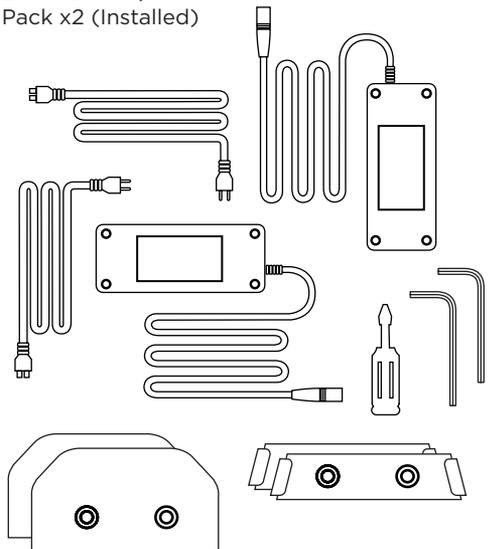
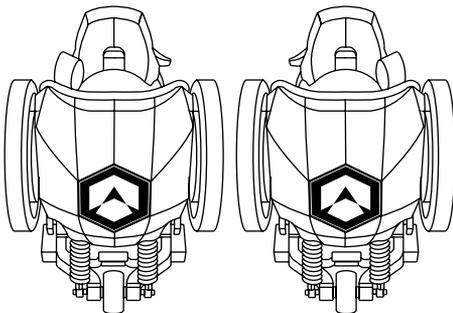
## II. PRODUCT INFORMATION

### A. Technical Specifications

	R6	R8	R10
MOTOR	50w DC Brushless Hub Motor (x4)		
BATTERY	Lithium Ion		
MAX SPEED	10 Mph	10 Mph	10 Mph
RANGE IN DISTANCE	6 Miles	8 Miles	10 Miles
RANGE IN TIME	45 Min	60 Min	90 Min
CHARGE TIME	1.5 Hrs	2 Hrs	2.5 Hrs
WHEELS	Replacable Tires		
WEIGHT	7lbs /ea.		
DIMENSIONS	8 x 8.5 x 9in (208 x 215 x 250mm)		
MAX. RIDER WEIGHT	275 Lbs		
MAX INCLINE	5-10 (depending on rider weight)		

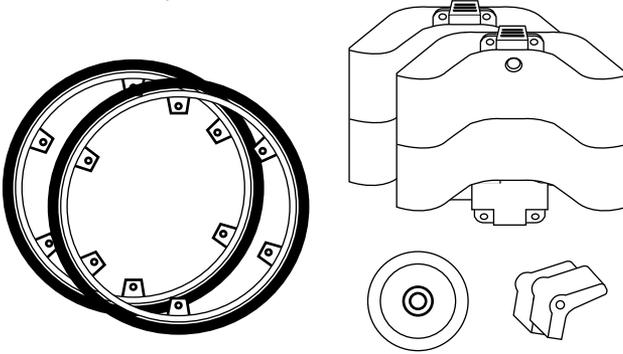
### B. Part List

- RocketSkates™ Lead Skate (RED Buckle)
- RocketSkates™ Follower Skate (BLACK Buckle)
- 14.8V Li-ion Rechargeable Battery Pack x2 (Installed)
- Footplate Long x2 (Installed)
- Footplate Short x2
- Footstrap x2
- Charger x2
- Tools



### C. Available Accessories (can be purchased through [rocketskates.com](http://rocketskates.com))

- Battery Pack
- Spare Tires
- Brake Pad
- Rear Wheel
- Backpack

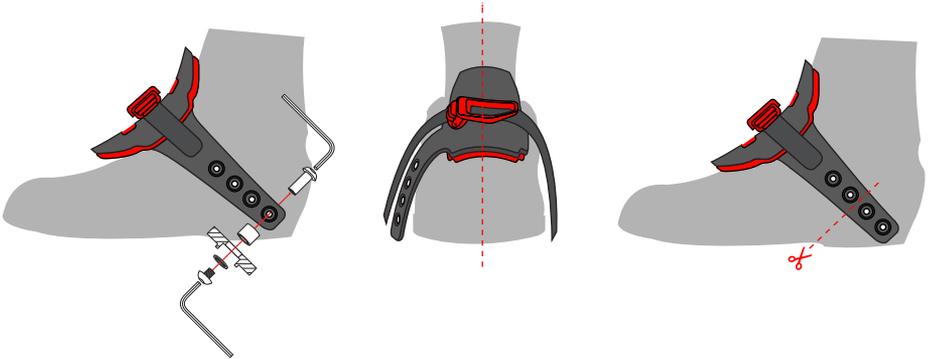


### III. USING ROCKETSKATES™

#### A. Assembling the Footstrap and Footpad

**Warning:** Proper adjustment for footstrap and footpad are essential for a safe and enjoyable experience with the RocketSkates™. Failure to adjust the footstrap and/or footpad may prohibit you from fastening the RocketSkates™ to your feet securely and may cause injury when using the RocketSkates™.

#### Adjusting the Footstrap



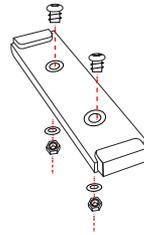
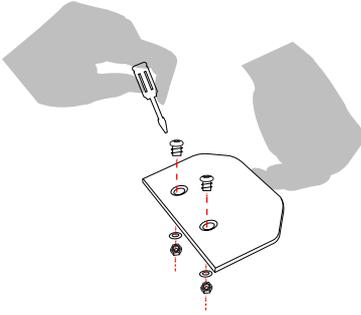
**1** Use the tools included to unscrew the screw fastening the pre-adjustment strap to the skates.

**2** Put the strap over your normal riding shoe. Make sure the buckle is near the center of your shoe.

**3** Locate the pre-adjustment hole on the side of the strap that is closest to the fastening hole on the skates. Carefully cut the rest of the strap and use the tools to reinstall the footstrap.

## Changing the Footpad

The RocketSkates™ comes with a long footpad installed. This should fit shoe sizes Women US 6, UK 4 and larger. Men US 6.5, UK 39 and larger. If your shoes size is smaller, you have the option of swapping the footpad to a shorter one.



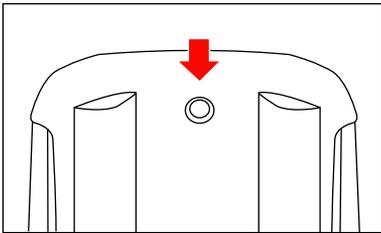
**1** Use the attached wrench to remove both screws on the footpad. Remove the screws, nuts and washers.

**2** Slide the new footpad on and put the washers and nuts back and tighten both screws.

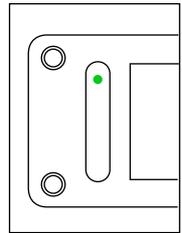
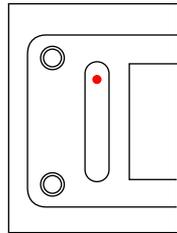
## B. Charging

Warning: For safety, please turn off the skates while charging.

Failure to recharge the battery at least once two months may result in an excessively degraded battery performance. The battery requires charging for at least 2 hours before first use.



The charging port is at the top center section of the ankle cushion. Plug into this port first, then plug the charger into the wall outlet.



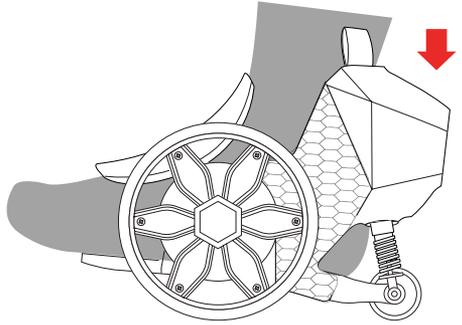
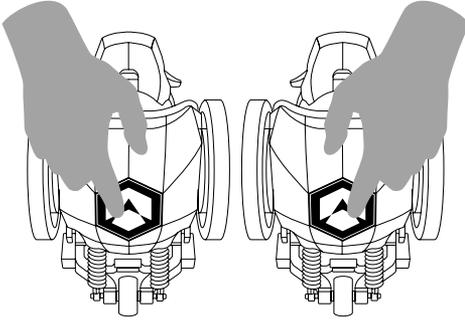
During charging, the red light on the charger should be on. Once the RocketSkates™ are fully charged, the light on the charger will turn green.

## C. Register & Setup

RocketSkates™ can be connected with app through Bluetooth. Please download the app “ROCKETSKATES” to your phone. Currently we only offer the app for Android 4.3+ and iOS iPhone 5+. When the app is opened for the first time, the registration process will help you through some features that allow the RocketSkates™ to suit you better and therefore enhance the your first experience. These features include an adaptable motor performance for different weight and height. Please provide accurate information at setup. For your safety, please set to BEGINNER mode on the app home page to start with. Only set to NORMAL mode when you are a comfortable rider. Only set to PRO mode when you are very familiar with the RocketSkates™.

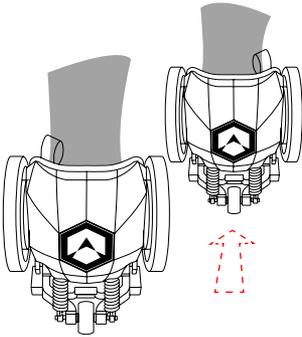
## D. Riding

Warning: Wear all suggested protective gears first including a helmet, ankle pads and knee pads. Check that the power is off and sit down in a secure location. Firmly strap-in the skates over your shoes. Make sure the Lead skate is on the foot that is most comfortable for you to control.

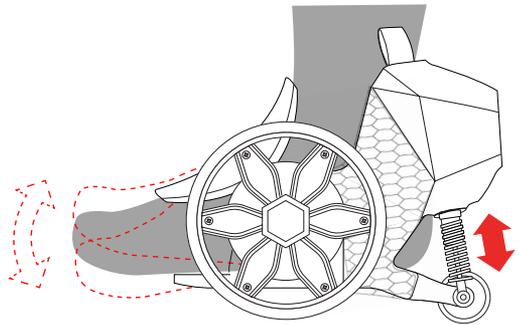


**1** Turn the power on by pressing the hexagonal button at the rear end of the skates. A brief music will be played and the battery level LED will turn on. The RocketSkates™ should be in brake mode.

**2** Carefully stand up with toes of both feet on the ground. Lean slightly forward to avoid falling backward. Push the heel of the lead foot firmly down to initiate. **DO NOT SKIP THIS STEP.** The brake will be released and the skates should start moving freely.



**3** Before kick-to-start, practice skating with the RocketSkates turned off. To begin skating, kick-off with one foot and let both skates move with the momentum. You will then feel the motors kick in.



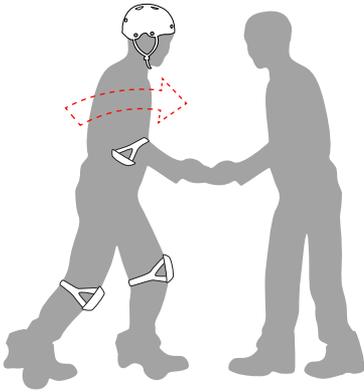
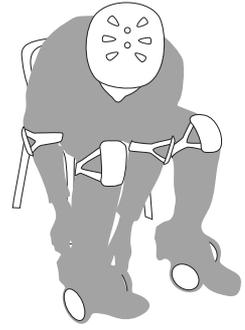
**4** To speed up, tilt the lead skate forward. To slow down or brake, push the heel of the Lead skate down. The Follower skate will carry the same speed and brake regardless of heel position.

If you need to pause while riding the RocketSkates™, push the heel of the Lead skates down firmly until the RocketSkates™ have come to a complete stop for at least one second. You are now able to lift your heel and walk on your toes. To begin riding again, kick-off and repeat step 3.

When you finish riding, stop, sit down and turn the RocketSkates™ off before you release the buckle.

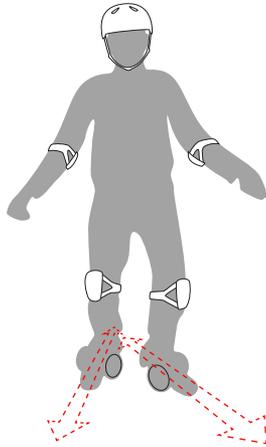
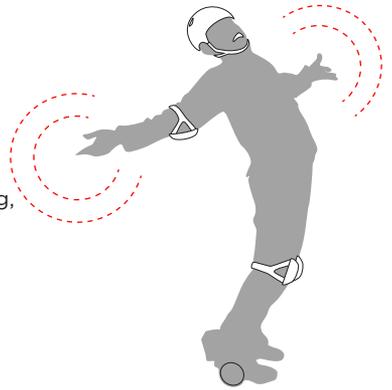
#### IV. Beginner Tips

- **Step into the RocketSkates™.**  
Always strap into the skates in a seated position.  
Make sure the skates are off when putting the skates on.



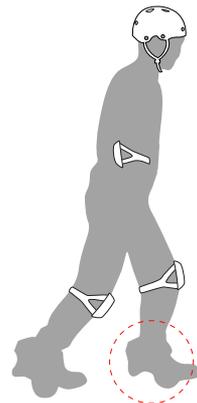
- **Maiden Voyage.**  
Find a buddy to hold your arm or hold a railing or wall. **LEAN FORWARD TO MAINTAIN YOUR BALANCE. DO NOT LEAN BACK.** Always keep in mind that speed is controlled by pushing the heel down on the Lead skate.

- **Standing on Rocketskates™ is hard.**  
Keep your knees bent and touch your toes to the ground. **DO NOT LEAN BACK.** Try walking with skates (with both skates in brake mode). At walking, don't roll the wheel or you may start the motor.



- **Balance.**  
Do not position your feet side by side when using RocketSkates™. Always have one foot in front of the other to maintain balance. Keep both feet pointed in the same direction at all times. **DO NOT LEAN BACK.**

- **Braking.**  
Remember that only the Lead skates controls the braking. Only use your heel to brake or accelerate. **DO NOT LEAN BACK.**

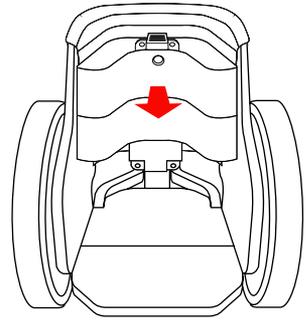


## V. MAINTENANCE

### A. Changing Battery Pack

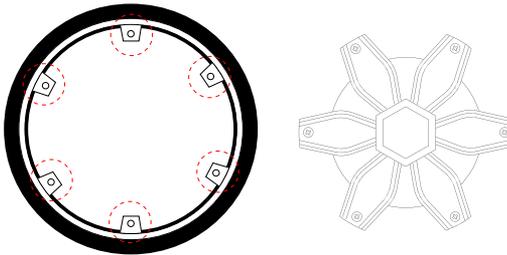
Warning: Take precautions when changing the battery. It should only be done in an indoor environment.

1. Unscrew four bolts from the front.
2. Carefully pull the battery pack out from the top and the bottom, don't stretch the wires.
3. Disconnect three connectors from the battery pack, you may change the battery pack following the reversed order.



### B. Changing Tires

When tires wear down or the rim is scratched, it is possible to purchase spare tires through our website and change them with the following procedure:



1. Unscrew the 6 bolts on the wheel hub.
2. Slide the rim off and rotate a small angle to take it off.
3. Fit the new tire back and make sure it's fit in the correct position before tighten the screws back in.

### C. Care & Maintenance

Clean the surface of RocketSkates™ with rinsed soft cloth only. Store RocketSkates™ in indoor and cool environment. Recharge the battery at least once every 2 month and avoid contacting with volatile liquids including Alcohol or strong clean agents.

## VI. TROUBLESHOOTING

If you believe the RocketSkates™ is not running properly, stop using them immediately. In most cases, by turning both skates off for 10 seconds and restarting them would solve the issue.

If you find other problem or restarting the RocketSkates™ can't resolve the issue, refer to the following chart for common troubleshooting methods. If the problem still exists, please stop using the RocketSkates™ and contact us.

The ACTON App for RocketSkates™ can monitor the performance of the skates and record error codes from the skates. Please submit error codes to us in the Feedback section of the app.

SYMPTOM	PROBABLE CAUSE	SOLUTION
Won't turn on	Low Battery	Charge battery for at least 2 hours
	Battery temp. too high	Place skates in indoor environment and let it cool down for at least 20 min
Won't go	Initiating signal not sent	Push down on heel of Lead skate firmly to initiate
	Both skates not rolling	Read Chapter III. D. for kick-to-start
	Low battery	Charge battery for at least 2 hours
	Brake is applied	Lift heel of Lead skates when rolling
Won't charge	Motors are blocked	Ride on flat and even surface
	Charger not connected	Make sure charger is properly connected at outlet and skates
	Battery depleted	If battery has not been charged for more than 2 months, it may require one hour of charging before you can turn the skates on Use ACTON App to set mode to 'Normal' or 'Pro'
Speed too low	Mode set at 'Beginner' mode	Change to 'Normal' mode
	Incline is too steep	Ride on flat and even surface
Range too low	Battery not fully charged	Charge battery for at least 2 hours
	Battery health dropped	Replace battery pack

## VII. WARRANTY, DISCLAIMER

Please visit [www.ACTONglobal.com/warranty](http://www.ACTONglobal.com/warranty) for the most up -to-date warranty specifications.

## VIII. COPYRIGHT

Please visit [www.ACTONglobal.com](http://www.ACTONglobal.com) for the most up-to-date copyright information.

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