

# Iron Man RC Extreme Hero™

## Remote Control Flying Extreme Hero

### User Guide

Congratulations on your purchase of the most innovative and advanced flying RC ever made. The Iron Man RC Extreme Hero™ is the first ever flying super hero and it puts you in control of Iron Man as you take to the skies to defend our way of life.

Your Hero is made from lightweight and durable foam and is equipped with the latest, super thrust motors and high capacity battery. Your Hero controller is an extended range 2.4 GHz remote capable of ranges greater than 200 feet. The patented pivot turning mechanism gives you greater control and maneuverability than any RC plane.

Your mission – to have fun. Fly safe, fly far, fly heroically. You ARE Iron Man!

Please read this manual carefully and watch the Flight Training Video at [www.rcextremehero.com](http://www.rcextremehero.com) before attempting to fly your Iron Man RC Extreme Hero™. Please make sure you are always conscious of your own personal safety and the safety of others.

**NOTE:** The Hero is made of lightweight foam specifically designed for superior flight. Damage CAN and WILL occur during normal use of any outdoor, flying RC. Repair and maintenance of your Hero is easy. See Repair section for more details.

The following is included with your purchase:

- 1 Iron Man Extreme Hero™
- 1 Remote Controller
- 1 Instruction Manual
- 1 Extra Pair of Propellers



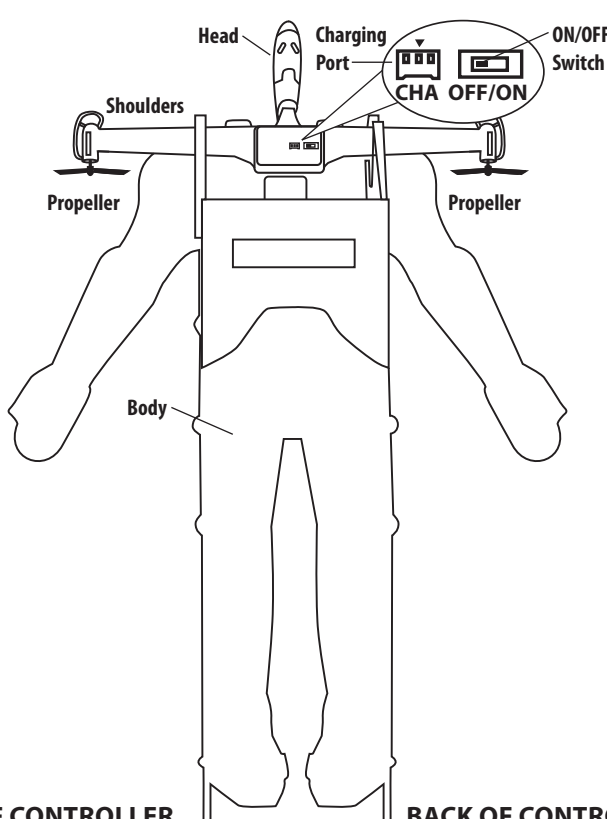
Watch our Flight Training Video at [www.rcextremehero.com](http://www.rcextremehero.com) for important tips for first time AND experienced flyers

SAVE THESE INSTRUCTIONS.  
READ COMPLETE INSTRUCTIONS BEFORE USE.

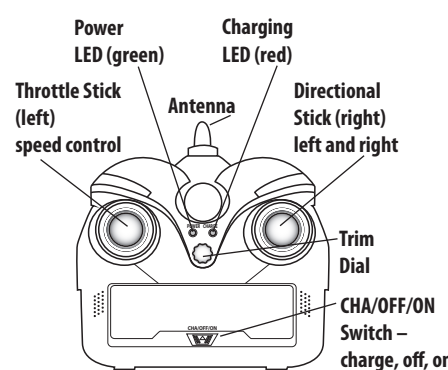
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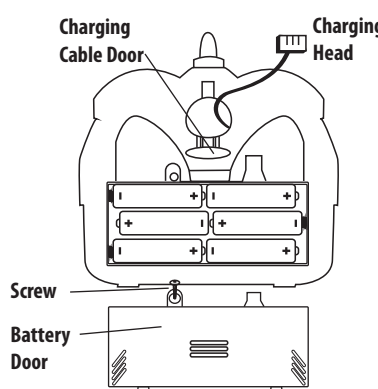
#### IRON MAN RC EXTREME HERO™



#### FRONT OF CONTROLLER



#### BACK OF CONTROLLER



Fold 3

#### QUICK START:

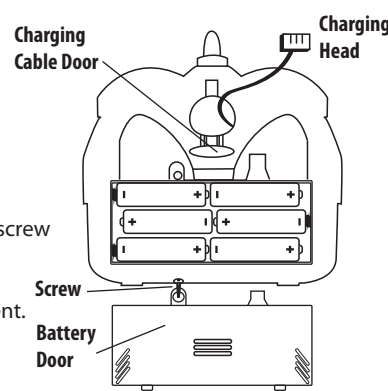
We strongly encourage you to read the entire manual thoroughly and watch the Flight Training Video at [www.rcextremehero.com](http://www.rcextremehero.com) before flying your Iron Man RC Extreme Hero™. However, we know some heroes, and their hero dads, are less patient than others. So here are the minimal steps that must happen before your Hero can fly.

1. Install batteries in the controller, **STEP 1**
2. Charge the Hero, **STEP 2**
3. Sync the Hero and Controller, **STEP 4**
4. Launch your Hero, **STEP 5**

#### STEP 1 – Remote Control Battery Installation

1. Make sure the power switch of controller is in the OFF position.
2. Use a Phillips screwdriver (not included) to loosen screw and remove the battery compartment door.
3. Insert (or replace) 6 AA batteries in the correct polarity as indicated inside the battery compartment.
4. Place the battery compartment door back and re-tighten screw.

#### BACK OF CONTROLLER



#### STEP 2 – Charging

**NOTE:** Before your first flight, charge your Hero for a complete charge cycle.

1. Make sure the power switch of the Iron Man RC Extreme Hero™ is in the OFF position during charging.

**NOTE:** Always switch OFF the Hero after flying!

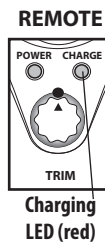
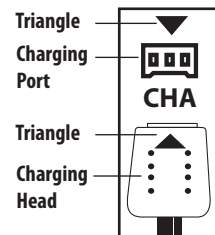
2. Open the charging cord door from the controller, draw out the charging head and connect it to the charging port on the Hero.

**NOTE:** Ensure the charge head is in the correct orientation. The triangle mark on cable charging head should point to triangle mark on Hero's charging port.

3. Set the power switch of the controller to CHA position to begin charging. (Far left position).
4. Red charging LED will blink indicating Iron Man RC Extreme Hero™ is now being charged. LED will turn OFF once fully charged.
5. Iron Man RC Extreme Hero™ requires between 45 to 60 minutes for a full charge for approximately 5-7 minutes flight time.

**NOTE:** Charging time can vary depending on the remaining charge of the Hero's on board battery and the freshness of the controller's AA batteries.

6. Disconnect the charging head and place back inside the compartment.
7. Switch the controller back to OFF. (Center position).



Fold 4

**NOTE:** The Iron Man RC Extreme Hero™ will enter into sleep mode if left idle for over 15 minutes. To “wake”, power off both the Hero and the Controller, and then switch it ON again. Once synced, the red LED will blink if batteries for the controller are low. Also, while charging if the red LED blinks slowly the batteries in the controller need replacing or are low.

#### STEP 3 – Getting Started

##### Pre-Flight Hero Check

1. Before each flight, check for damaged parts and verify all parts are operating normally with all functions in order. Do not fly if blades are damaged.
2. Verify that there are no abnormalities that would adversely affect the flight of the Iron Man RC Extreme Hero™. Minor cuts, creases or breaks in the foam can be easily repaired with clear tape (see repair section).
3. Verify battery on board the Hero has sufficient charge and the batteries in the controller are still fresh.

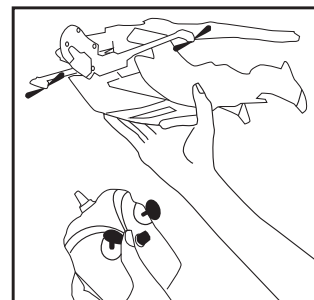
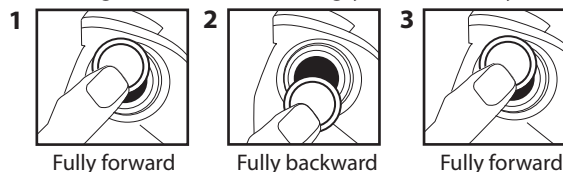
##### Pre-Flight Environment Check

1. **LOCATION:** Fly in an open, grassy area that is free of trees, buildings and wires. Do not fly near roads, people or animals. For outdoor use only. **NOTE:** especially for novice fliers, we recommend a large, open space like a soccer or baseball field.
2. **WEATHER:** Do not fly in lightning storms, rain, sleet, snow or other adverse weather conditions. Plastics and foam are very susceptible to damage due to cold climates. Optimum operating temperature is between 50°- 95°F.
3. **WIND:** Do not fly in windy conditions. Strong winds may overpower even the best of super heroes and make the Iron Man RC Extreme Hero™ difficult to control.

#### STEP 4 – Syncing Your Hero to the Controller

1. Please ensure the Controller is OFF, (center position). Switch ON the Iron Man RC Extreme Hero™. The red light in the Hero's battery compartment will blink slowly.
2. Switch ON the Controller, (far right position). The green power LED light in the controller will blink and then be steady on. Red light in the Hero's battery compartment will flash for a few seconds and then be on steady.
3. Hold the Controller in your left hand and the Hero in your right hand being certain you are clear of the propellers.
4. Push the (left stick) Throttle Stick fully forward, pull it all the way back to its minimum position and then fully forward again to sync the Hero to the Controller. Propellers on the Hero will turn once controller is activated. Repeat if necessary.

**NOTE:** You will need to sync the Hero and Controller any time either unit is switched off or times out or loses sync. If the LED light in the Hero is blinking, you need to re-sync.



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#MV7170

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- CARE & HANDLING**
- Do not submerge in water or other liquids
  - Do not disassemble the product for any reason
  - Do not expose to extreme temperatures
  - Do not drop, throw, smash or otherwise cause physical shock
  - Clean using only a slightly damp cloth
  - Do not use cleaners with chemical agents
  - Do not short-circuit the battery terminals

- CAUTION – BATTERY SAFETY INFORMATION**
- Non-rechargeable batteries are not to be recharged
  - The pre-installed battery is non-replaceable
  - Rechargeable batteries should only be recharged under adult supervision
  - Do not mix alkaline, standard (carbon-zinc), or rechargeable (nickel-cadmium) batteries
  - Exhausted batteries are to be removed
  - Do not mix old and new batteries
  - Do not dispose of product in fire; batteries may explode or leak
  - If this product will not be used for an extended period, remove the batteries from the product
  - The supply terminals are not to be short-circuited
  - Batteries are to be inserted with correct polarity
  - Clean the battery contacts and also those of the product prior to battery installation
  - As always, dispose of batteries in an eco-friendly manner

- FCC Part 15 Compliance**
- The 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.
- Caution :** Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the product.
- NOTE:** 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 transmitting 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 technician for help

EB Brands, affiliated groups, and seller assume no liability for the operation or use of this product. The user/purchaser is responsible for common knowledge and exercising one's personal safety and the safety of others, which may be affected by the use of the product, be they a participant or spectator. After the sale of this product, we cannot maintain any control over its operation or usage. Any damage or dissatisfaction as a result of accidents or modifications are not covered by any warranty, and cannot be returned for repair or replacement.



EB Brands, Hazleton, PA 18202  
www.rcextremehero.com • service@ebbbrands.com

Iron Man RC Extreme Hero™

6 x 1.5V AA Batteries (not included) • Made in China • © MARVEL

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Fold 1

*Continued from front side*

#### STEP 5 – Flying Instructions

Now that you have successfully synced your Hero to your Controller, it's time to fly.

1. Hero ON/OFF switch should still be in the ON position.
2. Controller CHA/OFF/ON switch should still be in the ON position
3. Set the trim dial to central position.
4. Check the wind direction. Always launch your Hero into the wind for the best take off and flight results.
5. Hold the Controller in your left hand with your left thumb on the Throttle Stick. Hold the Hero, by his chest, in your right hand keeping the propellers clear of your face and hands.

**(LEFT) THROTTLE STICK – SPEED CONTROL – UP AND DOWN**

6. Push (left) Throttle Stick fully forward (3/4 to full power) and gently toss Iron Man RC Extreme Hero™, like a paper airplane, upward at a slight angle.

**NOTE:** You do not need to throw your Hero – use a gentle flick and let the propellers/motors do the work.

7. As your Hero takes off, tap the Directional Stick right or left to keep your Hero flying straight. DO NOT OVER TURN or your Hero will crash.

8. Adjust the (left) Throttle Stick for more or less power. To make your Hero climb, move the Throttle Stick forward. To make him dive, move it backward slowly.

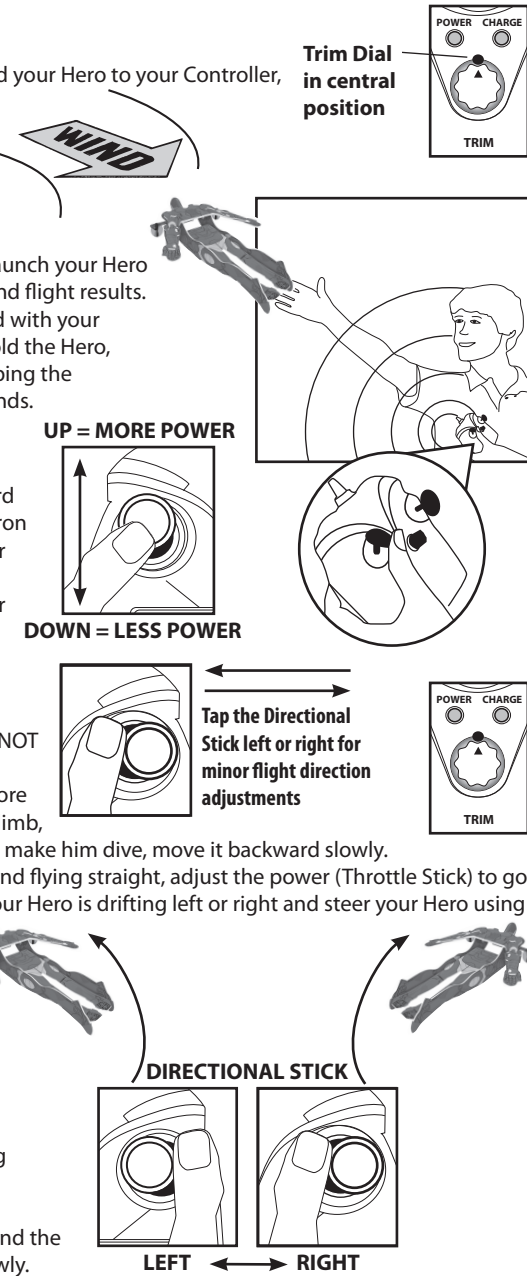
**NOTE:** Once airborne (40 to 50 feet) and flying straight, adjust the power (Throttle Stick) to go up and down, the Trim (Trim Dial) if your Hero is drifting left or right and steer your Hero using the Directional Stick. During the first few take offs and flights, crashes are common and expected.

**(RIGHT) DIRECTIONAL STICK – LEFT AND RIGHT**

9. Once airborne, about 40 to 50 feet high, use the (right) Directional Stick to steer left and right.

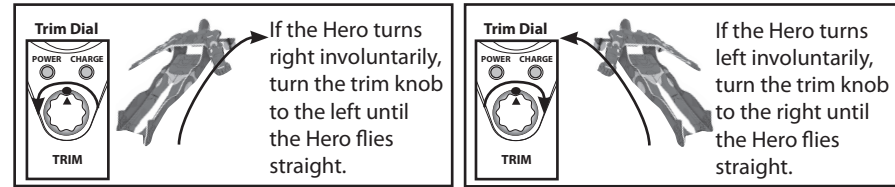
**NOTE:** Your Hero has superior turning capabilities. Start by making very slight steering adjustments

10. To Land, select a soft, grassy area and the pull the (left) Throttle Stick back slowly.



Fold 2

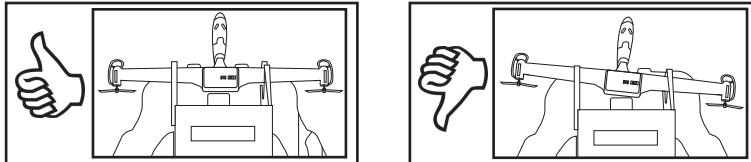
#### TRIMMING YOUR HERO



1. Your Hero has 2 independent motors (left and right). Those motor can spin at different rates. Your TRIM Dial adjusts the power going to each motor so that each spins at the same rate and your Hero flies straight.
2. If your Hero is still pulling left or right, after continued attempts to TRIM your Hero, examine head/shoulder alignment to ensure it is straight.

**NOTE:** Adjust the trim when your Hero is fully airborne (40 + feet in the air).

2. If your Hero is still pulling left or right, after continued attempts to TRIM your Hero, examine head/shoulder alignment to ensure it is straight. If Head/Shoulders are noticeably crooked, carefully adjust the spring/head mechanism by applying light pressure, left or right, to straighten.



#### FLYING TIPS

##### Turning

Watch the Flight Training Video at [www.rcextremehero.com](http://www.rcextremehero.com) for more detailed tips and tricks to successful flight. The Hero's patented turning mechanism (PTS™) makes it the most responsive flying RC ever made. That said, you may have a tendency to over-turn. We suggest you use a tap or pump steering method. Rather than moving the Directional Stick fully left or right, tap it left or right to make smaller directional adjustments. If you need to make a dramatic or sudden turn, hold the directional stick all the way to the right or left.

**NOTE:** When making sharp turns your Hero will lose altitude as more power goes to one motor vs. the other. Experiment with this method when your Hero is over 40 feet in the air.

##### Range

Your Iron Man RC Extreme Hero™ is equipped with the latest 2.4 GHz extended range controller. This means you can fly the hero to great heights and distances. While we only promise a range of 200+ feet, don't be surprised if you actually experience 300 feet or more. If the Hero exceeds the range of the controller, power will automatically shut off and the Hero will land.

Fold 3

#### Flying Multiple Heroes

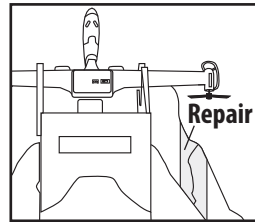
The advanced technology in the Controller will automatically adjust to one of 16 channels to prevent interference with other Heroes (or other radio signals).

**NOTE:** If you and friends are flying multiple heroes in the same general area, please take care to ensure sufficient space between Heroes.

#### REPAIRS

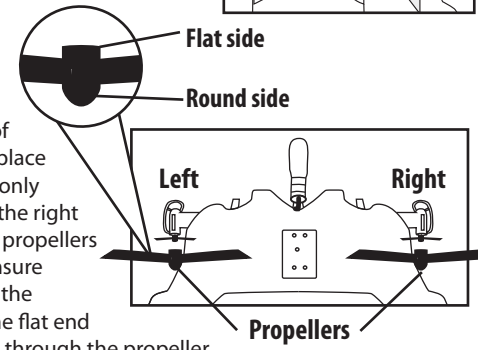
##### Foam Body

Your Iron Man RC Extreme Hero™ is made with lightweight, durable foam to ensure the best flight performance. Damage CAN occur to the foam from normal wear and/or from crashes during flights. If the foam parts of your hero crack or break, repair is as easy as a piece of clear tape.



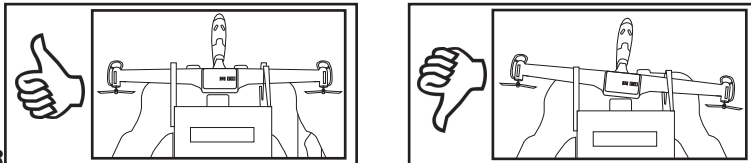
##### Replacing Propellers

Your Iron Man RC Extreme Hero™ comes with a set of spare propellers (one left, one right). If a propeller breaks. Gently remove the broken propeller with a pair of pliers, make sure not to bend the axle. Replace with the spare propeller, being certain to only use the left propeller on the left side and the right propeller on the right side. Left and Right propellers are marked with L and R on the blades. Ensure that the flat side of the propeller is facing the motor. The axle should be inserted into the flat end of the propeller. Push the axle all the way through the propeller.



##### Head and Shoulder

Impact during flights and crashes can cause the head/shoulder pivot spring (TPS™) to bend. If a noticeable slant exists, gently bend the spring back to center. Slight variation is fine; only a dramatic slant needs to be fixed.



#### INTERFERENCE

Your Iron Man RC Extreme Hero™ is controlled by a remote controller that may be subject to interference from many sources outside your control. This interference can cause momentary loss of control so it is advisable to always keep a safe distance in all directions around your Iron Man RC Extreme Hero™, as this distance will help to avoid collisions or injury.

#### SAFETY TIPS

**WARNING:** Suitable for Ages 8 and up. Do not touch the rotating propellers which may cause injury.

Fold 4

#### TROUBLE SHOOTING

PROBLEM(s)	CAUSE(s)	SOLUTION(s)
<b>Hero will not start or power is low</b>	1. Hero is not charged. 2. Controller batteries are drained. 3. Hero was not turned off during charging. 4. Controller was not set to CHA during charging. 5. Hero's electronic motor safety auto off function engaged (auto shut off). 6. Hero and Controller are not synced.	1. Charge Hero for a complete cycle. 2. Replace the Controller batteries after about 5 charges. 3. The Hero won't accept a charge in the ON position. Always set Hero to OFF before charging. 4. The Controller will not charge in the OFF or ON position. Always set the Controller to CHA to charge your Hero. 5. Turn your Hero on and off to reset. 6. Follow syncing instructions in Step 4.
<b>Charging LED indicator is not blinking</b>		
<b>Lack of flight control</b>	1. Controller batteries are drained. 2. Controller is not turned on. 3. It's a windy day.	1. Replace the Controller batteries after about 5 charges. When Hero and Controller are synced, the green LED light on the Controller should be steady on. If it is blinking, re-sync (Step 4). 2. Ensure controller CHA/OFF/ON switch is set to ON. 3. Do not fly your Hero in strong winds. Strong winds will limit or even eliminate your ability to control the Hero.
<b>Hero is "pulling" or turning to the left or right</b>	1. Imbalance in the RPM output of the two, independent motors. 2. Head/Shoulder pivot spring is not straight.	1. Adjust the trim dial in the opposite direction that the Hero is turning. 2. GENTLY adjust the spring mechanism back to center. <b>NOTE:</b> a slight bend in the shoulder/head is OK. Only adjust if the head/shoulder is dramatically angled.
<b>Damage to the foam body</b>		Your Hero is made of special foam that is easily repaired. Simply apply a minimal strip of clear tape to the damaged area and you are good to go. Weight will impact flight so do not add too much tape.
<b>Propeller breaks</b>		A spare set (left and right) of propellers is included in the box. Follow the instructions in the section on replacing propellers. Be certain to place the left propeller on the left motor and right propeller on right motor.
<b>Flashing Lights on Controller - Green Light Flashes - Red Light Flashes</b>	1. Hero and Controller are not synced. 2. Controller batteries are low.	1. Re-sync. 2. Change batteries.
<b>Flashing Lights on Hero - Red Light Flashes</b>	1. Hero and Controller are not synced.	1. Re-sync.

If you are still having trouble flying your Iron Man RC Extreme Hero™, do not return this item to the retailer! Contact the EXRC Customer Service Hotline toll-free at 1-800-592-4377 or visit [www.rcextremehero.com](http://www.rcextremehero.com) for flight tips!