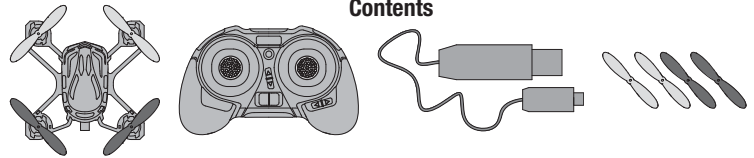


# protoX™


Proto-X c/o Hobbico, Inc.  
2904 Research Road Champaign, IL USA 61826  
Made In Dongguan, Guangdong, China



Contents

- Do not turn on quadcopter unless controller has been turned on first.
- Keep hands, hair and loose clothing away from spinning blades.
- Turn off controller and quadcopter when not in use.
- Parental guidance is recommended.
- Do not submerge into water. This could damage electronic assemblies.
- Follow operating instructions exactly.
- Not intended for children under 8 years old.
- Replace any damaged or broken parts before attempting to fly.
- Do not drop the quadcopter by suddenly reducing the throttle. This could lead to severe damage.
- The quadcopter's range will also be affected if the battery is not fully charged.
- Do not touch the motors after flying. They can become hot.
- The battery in the quadcopter is not replaceable.

**CAUTION:** Changes or modifications to this product not expressly approved by the party responsible for compliance may void the user's authority to operate the equipment.

 Do not touch the spinning blades or fly over another person's head. Adult supervision is required.

**FCC STATEMENT AND INDUSTRY CANADA NOTICE:**

1. This device complies with Part 15 of the FCC Rules and RSS-210 of Industry Canada. 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.

2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**Remark:** This device is in accordance with the digital device grade B limitation and the 15th regulation of FCC. This limitation requires reasonable anti-interference protection around the residence. The device can transmit radio wave during use and can interrupt the mobile communication without proper installment. Interruption will occur for special device. If the device do interrupt the radio or television, please turn the device off then turn it on to adjust. Below are some resolution for your reference:

- Move the receiving antenna
- Enlarge the distance between the device and receiver
- Try to not connect the device and the receiver on the same circuit
- Ask for professional help from experts

3. This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of Industry Canada.

**Battery Requirements for Controller:**

Requires: 2 x 1.5V AAA size batteries (not included)

**Requirements for USB Charge Cord:**

USB Output Jack (not included)

**Battery Cautions:**

- Parental guidance is recommended when installing batteries.
- Do not power controller by mixing different types of batteries, or old and new batteries.
- Use only batteries of the same or equivalent type as those recommended.

**The quadcopter is equipped with a rechargeable 3.7V LiPo battery. Please pay attention to the following cautions for safe use:**

- Do not dispose of battery into fire or heat.
- Do not use or leave battery near a heat source, such as fire or a heater.
- Do not strike battery or throw it against a hard surface.
- Do not pierce battery.
- Do not disassemble or alter battery.
- Turn off power switch after use.
- Recycle used batteries.



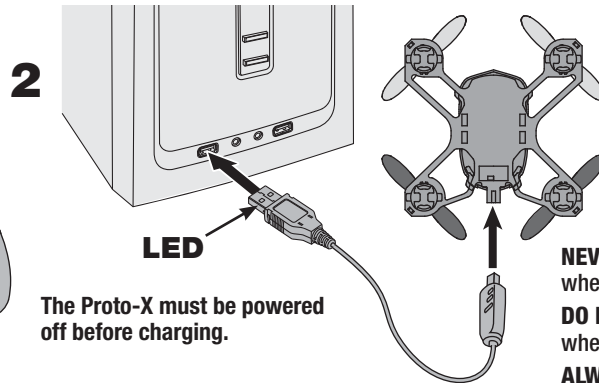
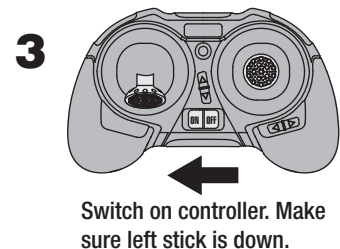
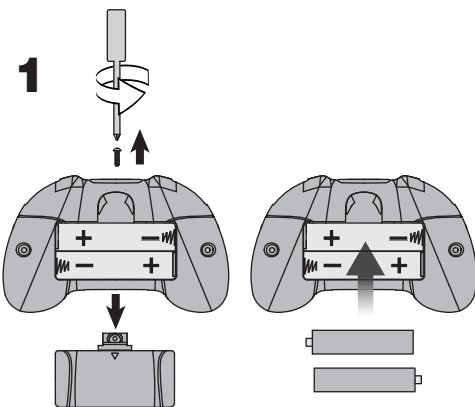
**90 DAY LIMITED WARRANTY**

**PLEASE DO NOT RETURN YOUR PRODUCT TO THE STORE** – Proto-X will repair or replace factory defects for 90 days from the date of purchase. This warranty specifically does not cover crash damage, misuse or abuse. To make a warranty claim, please contact our product support team at 1-217-398-8970 or e-mail us at [productsupport@hobbico.com](mailto:productsupport@hobbico.com)

If requested by Product Support, please send defective product to: Hobby Services, 3002 N Apollo Dr., Suite #1, Champaign, IL 61822

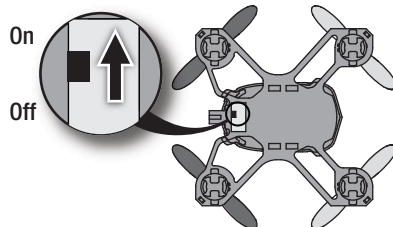
This warranty applies only if the product is operated in compliance with the instructions and warnings provided with each model. Proto-X assumes no liability except for the exclusive remedy or repair of parts as specified above. Proto-X shall not be liable for consequential or incidental damages. Some states do not allow the exclusion of consequential or incidental damages so the above exclusion may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

**GET READY TO FLY**

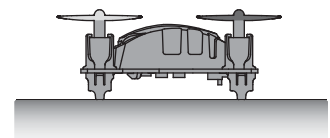


Plug the charger into a USB port and quadcopter as shown. (The battery connector will only fit in one way. Do not force the connectors together.)  
The red LED will light when charging.  
The red LED will shut off once the charge is complete.

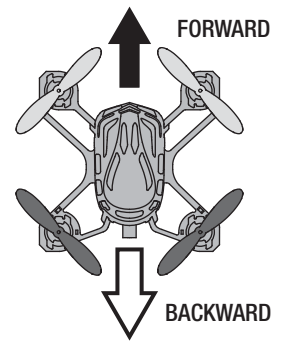
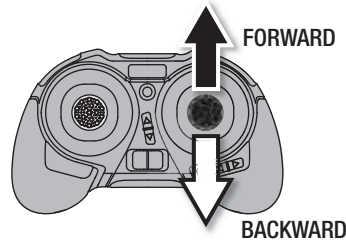
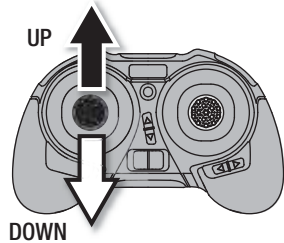
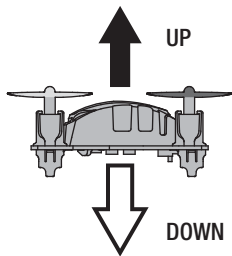
**NEVER** leave the quadcopter unattended when charging.  
**DO NOT** allow the USB port to power down when connected to the quadcopter.  
**ALWAYS** unplug the quadcopter when charging is complete.



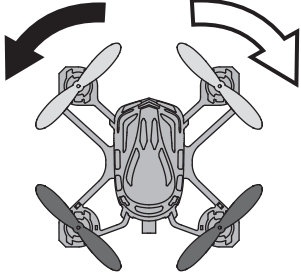
**5** Set the quadcopter on a level surface until the blue LEDs change from blinking to solid.



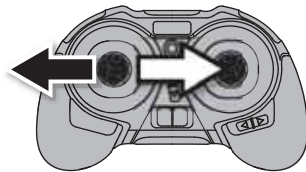
## HOW TO FLY



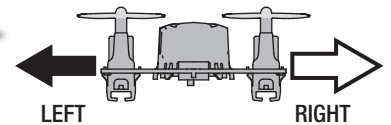
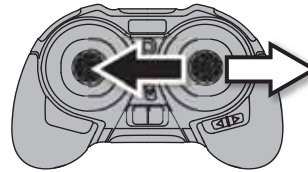
ROTATE LEFT      ROTATE RIGHT



ROTATE LEFT      ROTATE RIGHT

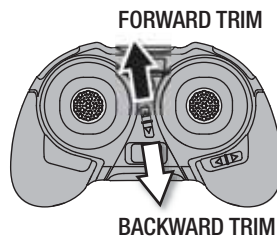
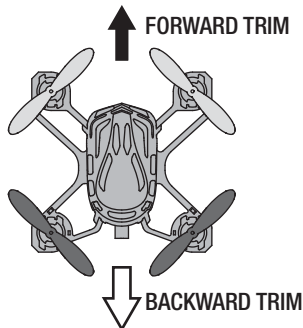
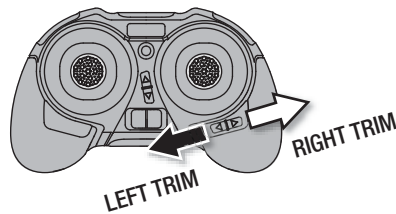
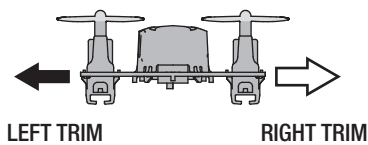


LEFT      RIGHT



## CORRECTING DRIFT

It is normal for the quadcopter to drift slightly. However if it drifts in any direction consistently press the trim button opposite the movement as many times as needed to eliminate the drift.



## LANDING SAFELY

When the battery voltage begins to run low, the LEDs will begin to flash. It is time to land before the built in low voltage cut off reduces power to the motors.

## TROUBLESHOOTING

**PROBLEM:** Controller cannot be linked to the quadcopter.

**SOLUTION:** Throttle position needs to be at zero.

**PROBLEM:** Controller LED flashing after binding.

**SOLUTION:** Replace batteries.

**PROBLEM:** Quadcopter shaking.

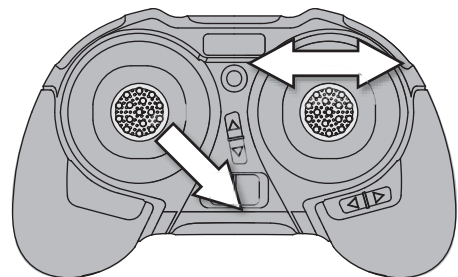
**SOLUTION:** Check if the canopy, chassis and rotors are damaged.

**PROBLEM:** Will not take off.

**SOLUTION:** Check that the rotor blades are properly installed.

## CALIBRATING THE SENSORS

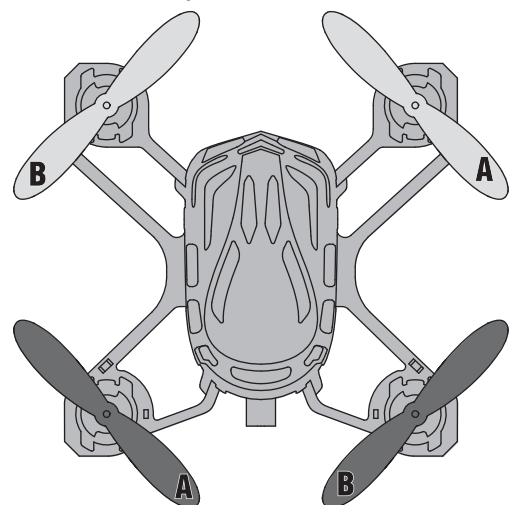
If the quadcopter doesn't trim well, recalibrate the sensors.



1. Turn on the controller and the quadcopter. Place the quadcopter on a flat surface.
2. Hold the left stick to the lower right. At the same time, quickly move the right stick left and right several times until the blue LED's flash.

## REPLACEMENT BLADES

FRONT  
Gray Blades, Blue LEDs



REAR  
Black Blades, Red LEDs