

_blade

HD Camera Drone with GPS

DRONE USER MANUAL



ZERO-X

Capture the skies.™

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1.0 WELCOME

Thanks for purchasing a Zero-X Blade, get ready to have the time of your life! We're sure your Zero-X Blade will bring you a world of great experiences in the air. Please take the time to read the following safety warnings and operating instructions carefully.

1.1 BEFORE YOU GET UP IN THE AIR

Connect the Blade battery to the included USB charging cable and insert the USB charging cable into the supplied USB wall charger. While the battery is charging the LED on the charging cable will glow red. Once charging is complete the light will turn off. While the battery is charging please take the time to read the instructions and familiarise yourself with the controls of your Zero-X Blade.

1.2 GENERAL SAFETY

Please familiarise yourself with your local legislation regarding drone usage before you begin using your Zero-X Blade. Included in the package contents of your Zero-X Blade are the Australian CASA guidelines, please read carefully and understand this information as operating a drone outside of these guidelines may result in legal issues. Zero-X takes no responsibility for operation of this product outside of what is legally permissible in your area.

- Do not fly your Blade any closer than 30 metres from people, animals or buildings. Check to make sure you are no closer than 5.5 kilometres from any airfields or airports.
- For more information on CASA's Australian legislation visit: <http://www.casa.gov.au/> For information outside Australia please visit the website of your local aviation authority.
- Do not attempt to modify the Blade or any of its components in any way, doing so will void your warranty and may affect the operation of the drone.
- Do not use the Blade in any conditions that could affect, damage or impair your view of the Blade including rain, wind, snow, fog or low light. Avoid getting your Blade wet, dusty or sandy. These elements will damage the components of your Blade.
- Please do not attempt to touch the Blade when the Remote Control is powered on, or if the rotor blades are turning.
- When flying your Blade, please keep in mind the privacy of others.

IMPORTANT INFORMATION - PLEASE READ BEFORE USE

1.3 BATTERY SAFETY

When handled incorrectly, Lithium polymer batteries can be dangerous and can potentially harm and do damage to persons or property. Zero-X does not accept any liability for damage to persons or property if the battery is not correctly charged, stored or protected.

- Always unwind all cables before charging.
- Do not over charge the battery. Once the charging process is completed, remove the battery from the charger as soon as possible.
- Only use the included or replacement Zero-X Blade chargers and batteries.
- You must charge the Lithium polymer battery in a safe area away from flammable materials.
- The battery is only to be charged under adult supervision, do not leave charging batteries unattended. You should always remain in constant observation to monitor the charging process and react immediately to any potential problems that may occur.
- Do not charge the battery in temperatures hotter than 40°C or colder than 0°C.
- Do not cover the batteries when charging. Do not leave batteries in direct sunlight.
- After each flight & or crash, please check battery for any damage or swelling.
- If the battery is damaged, leaking, making noise, punctured or malformed in any way DO NOT attempt to use it. Please dispose of the battery immediately and safely in the correct manner.
- Do not bend, puncture, crush or scratch the drone's battery. Do not store batteries in your pockets, on your person or in extreme temperatures.
- After flying/discharging the battery you must allow it to cool to ambient/ room temperature before recharging.
- If at any time during the charge or discharge process the battery begins to balloon or swell, discontinue charging or discharging immediately. Quickly and safely disconnect the battery, then place it in a safe, open area away from flammable materials to observe it for at least 15 minutes. Continuing to charge or discharge a battery that has begun to balloon or swell can result in a fire. A battery that has ballooned or swollen even a small amount must be removed from service completely.
- Never plug in a battery and leave it to charge unattended overnight.
- Non-compliance with the above warnings may result in the failure of the battery.

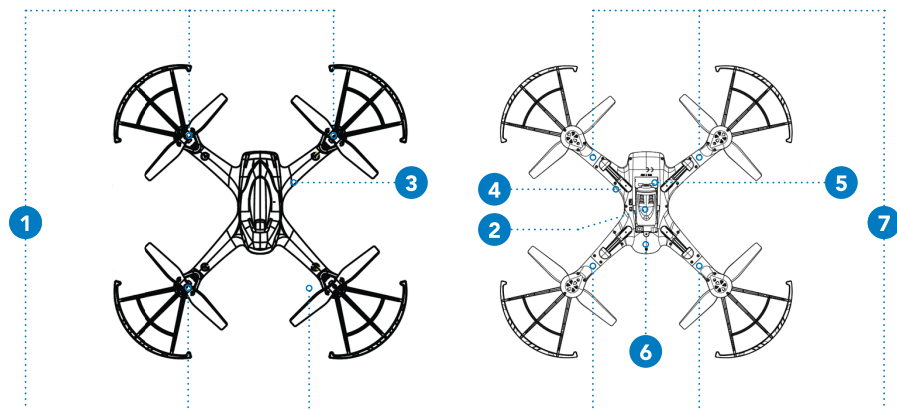
2.0 INTRODUCTION

2.1 PACKAGE CONTENTS

- | | |
|----------------------|--------------------|
| 1. Blade Drone | 6. Battery Charger |
| 2. Remote controller | 7. USB AC Adapter |
| 3. Rotor Blades x 4 | 8. Manual |
| 4. Rotor Guards x4 | 9. Screws |
| 5. Drone Battery | |

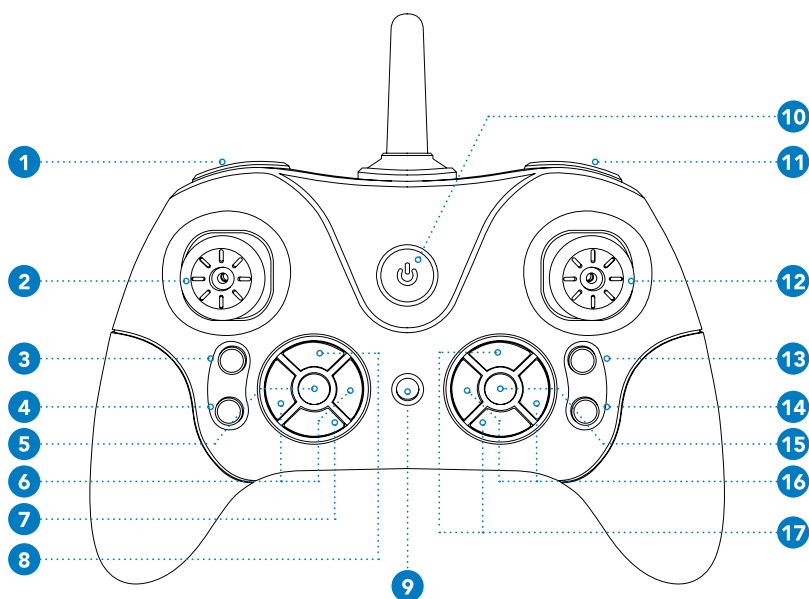
2.2 PRODUCT OVERVIEW

- | | |
|-----------------|------------------------|
| 1. Rotor Blades | 5. Battery Compartment |
| 2. 720P Camera | 6. Micro SD Card Slot |
| 3. Upper Shell | 7. LED Lights |
| 4. Lower Shell | |



2.3 CONTROLLER

- | | |
|-------------------------------------|------------------------------------|
| 1. Speed Mode | 11. Flip Button |
| 2. Left thumb stick (Yaw/Elevation) | 12. Right thumb stick (Pitch/Roll) |
| 3. LED on/off | 13. Take Off button |
| 4. Emergency stop | 14. Land button |
| 5. Photo button | 15. Video button |
| 6. Yaw trim | 16. Roll trim |
| 7. Return Assist | 17. Pitch trim |
| 8. Directional Lock | |
| 9. Power Light | |
| 10. On/Off button | |



3.0 SETTING UP YOUR ZERO-X BLADE

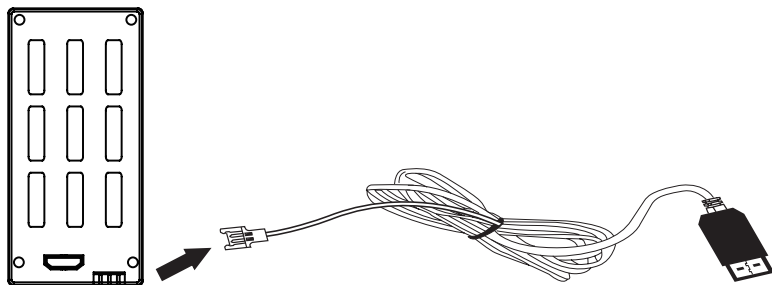
3.1 CHARGING THE BATTERY

PLEASE NOTE: YOUR ZERO-X DRONE COMES WITH A CERTIFIED ZERO-X USB AC CHARGING ADAPTER FOR 240v CHARGING OF YOUR DRONE BATTERY. USE OF A NON ZERO-X CERTIFIED USB AC CHARGING ADAPTER WILL VOID YOUR WARRANTY AND MAY DAMAGE BOTH YOUR BATTERY AND DRONE.

Fully unwind the included USB charging cable and plug the USB end into the included Zero-X Certified USB AC charging adapter.

Connect the drone battery to the charging cable and the light will glow red indicating charging is in process. The LED on the USB charging cable will turn off once charging is complete. To keep the battery life as long as possible avoid removing the battery from the charging cable before charging is complete. If you have just finished flying your Blade drone, please allow the battery to cool down for at least 30 minutes before recharging.

- When the Blade battery has finished charging it is advised that the battery is removed from the charger as soon as possible. Overcharging will damage the battery and effect the flight time.
- The Blade battery can take up to 90 minutes to fully charge. If the battery has been on charge for any longer than 2 hours and the indicator on the charging cable is not showing that the battery is charged please remove the battery from the charger.



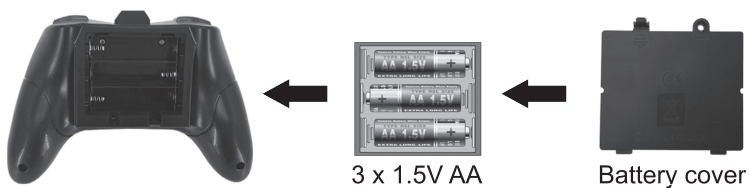
3.2 INSTALLING THE BATTERY

1. Open the latch on the underside of the Blade by unscrewing the securing screw on the battery latch between the camera and the drone and sliding the latch towards the front of the drone releasing the battery latch. When sliding the latch forward be mindful not to put excessive pressure on the camera unit as this may damage the camera.
2. Check the pins inside the battery slot and the battery aligned
3. Slot the battery into the battery slot making sure that the battery is firmly secured.
4. Replace the battery latch and secure with the screw that was removed in step one.

3.3 REMOTE CONTROL

To install batteries in the Blade remote controller please follow the instructions below.

1. Remove the screw on the controller's battery cover.
2. Lift the tab on the bottom of the battery cover to remove it.
3. Place 3 new AA batteries in the battery hatch in the correct orientation making sure they are all the same brand and have the same level of charge.
4. Replace the battery cover and secure with the screw that was removed in step 1.



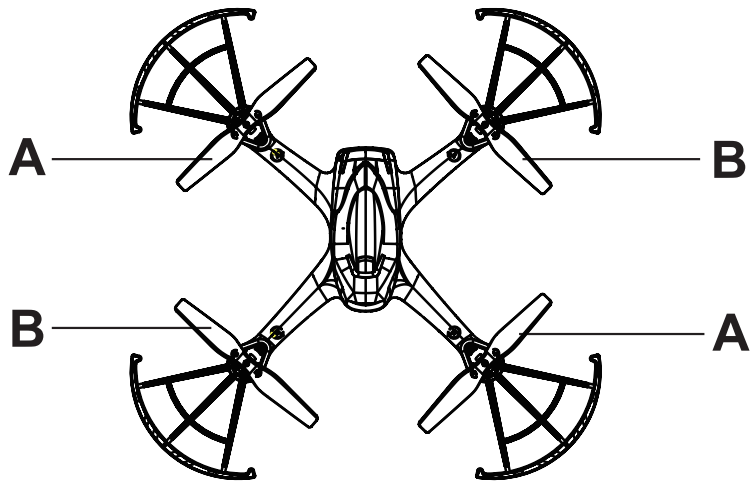
3.4 INSTALLING AND REPLACING ROTOR BLADES

The rotor blades can be replaced on the Blade if they have been damaged.

There are two types of rotor blades included with the Blade drone, A blades (Clockwise rotation) and B blades (Counter Clockwise rotation) please be mindful when you are replacing rotor blades that you are matching the right blades with the right motors.

To remove and replace the rotor guards, please follow the instructions below.

1. Unscrew the screw on the top of the rotor blade you want to replace. (it is advised that you replace the blades one at a time to avoid losing screws or installing blades incorrectly.
2. Remove the blade by gently pulling the blade away from the motor stem.
3. Replace the rotor blade with a replacement blade making sure to match the A rotor blades with the A motors, and the B rotor blades with the B motors.
4. Firmly press the blade into position making sure that you have aligned the hexagonal motor stem with the hexagonal hole in the rotor blade.
5. Lock the blade in position by re attaching the screw that was removed in step 1 making sure not to over tighten.



3.5 INSTALLING THE FEET

The feet of the Blade drone are used for take off and landing.

To install the Blades feet, please use the instructions below.

1. Take the supplied feet and with the Blade drone inverted place the feet of the drone in place by inserting the feet's 3 pegs in the sockets on the underside of the drone.
2. Secure the feet by tightening the included screws on each foot being careful not to over tighten.

3.6 INSTALLING THE ROTOR GUARDS

The rotor guards are optional and protect your Blade from mild bumps.

To install the rotor guards please follow the instructions below.

1. Attach the rotor guards to the blade by inserting the pegs into the sockets on the Blades arms.
2. Secure the rotor guards by inserting and tightening the included screws into the designated holes in the rotor guards being careful not to over tighten.

4.0 CAMERA

4.1 ACTIVATING A RECORDING

To activate a recording press the Video button in the middle of the circular buttons on the right side.

To stop recording, press the video button again.

4.2 ACTIVATING A PHOTO

To capture a photo press the Photo button in the middle of the circular button on the left side

4.3 INSERTING A MICRO SD CARD

To record Videos and Photos it is required that the Blade has a Micro SD card installed in the camera.

A Micro SD Card is not included. It is recommended that a class 10 Micro SD Card, 32GB and under is used.

To install a Micro SD Card please follow the instructions below.

1. Ensure that the Blade is powered off.

2. Insert the Micro SD Card in the slot in the rear of the camera with the Card's copper pins facing away from the drone.
3. Using your thumb nail press the card into position until a click is heard and the card locks into position.

5.0 LAUNCH SEQUENCE

To Launch the Blade drone it is important to ensure that the blades are secure and the feet have been correctly installed.

It is also important to make sure that the drone is correctly calibrated before each flight.

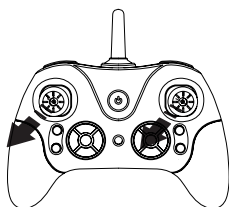
If you intend to record during your flight you will need to make sure you have a suitable Micro SD Card installed (Micro SD Card not included).

5.1 POWERING UP THE BLADE

1. Do a complete check of your surroundings making sure that there are no obstacles or potential dangers in the area that you intend to fly in.
2. Switch on the blade drone by switching the power switch on the under side of the drone to the on position.
3. Place the Blade on a flat, level section of ground.
4. Move a safe distance away from the drone (5M).
5. Press the power button on the remote controller.
6. Wait 2 seconds for the controller and the drone to pair.

5.2 CALIBRATING THE BLADE

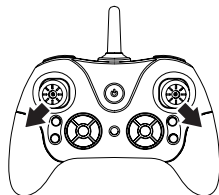
1. With the blade powered up ensure that the Blade drone is on a flat and level surface
2. Hold both of the controllers thumb sticks in the bottom left position for 3 seconds until the lights on the drone begin to flash.



3. The lights on the Blade drone will flash while the drone is calibrating. The lights will stop flashing when calibration is complete.

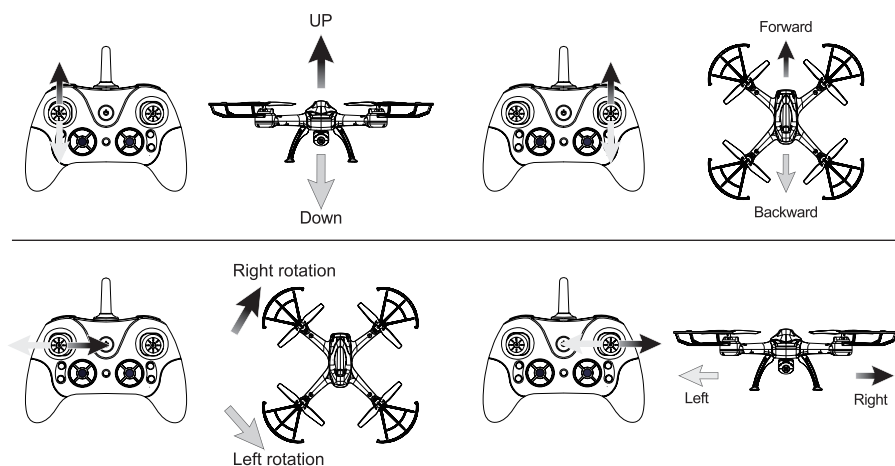
5.3 TAKE OFF

1. Having calibrated the drone arm the blades motors by holding the left thumb stick in the bottom left position and the right thumb stick in the bottom right position for 3 seconds until the rotor blades start spinning



2. Once the rotor blades start spinning press the take off button to bring the drone up to shoulder height.
3. To bring the drone back down press the Land button

6.0 BASIC FLIGHT



6.1 RETURN ASSIST

The return assist function is used to help bring the drone back to you. When activated the Blade will move backward and lower its altitude.

To activate Return assist, press the return assist button on the controller.

Note

The Return assist function does not use GPS or tracking.

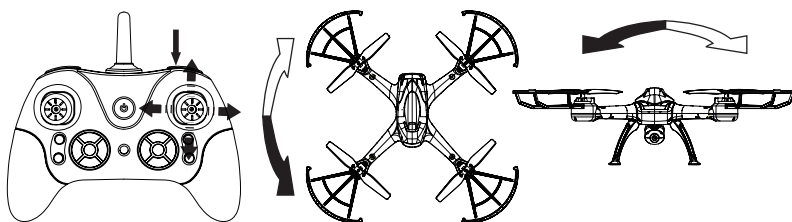
Ensure that the drone is facing away from you when Return assist is activated, if the drone is facing toward you when this function is activated the drone will move away from you.

6.2 DIRECTIONAL LOCK

Directional Lock mode is a mode that makes it easy for beginners to fly. In this mode the direction you and the Blade are facing when the Blade is launched will always be forward on the controls, no matter which way the Blade is facing. This means that even if you can't see which way the Blade is facing you will be able to bring the drone back towards yourself by pulling back on the Right Thumb stick (Pitch/ Roll).

6.3 FLIPS

Flips are easily performed by pressing the flip button on the top right of the controller in conjunction with using the left thumb stick to determine the direction of the flip.



6.4 TRIMMING

Trimming is used to balance the Blade when flight is off centred. Please check before attempting to use trimming that the Blade's flight is not being affected by outside forces such as wind.

To trim the Blade's pitch, use the Pitch Trim buttons on the left and right of the 4 circular oriented buttons on the right side of the controller.

To trim the Blade's roll, use the Roll Trim buttons on the top and bottom of the 4 circular oriented buttons on the right side of the controller.

To trim the Blade's yaw, use the yaw Trim buttons on the left and right of the 4 circular oriented buttons on the left side of the controller.

6.5 REVIEWING FOOTAGE

The best and easiest way to review your recorded footage is to remove the Micro SD Card from the drone and connect it to your computer via a Micro SD Card Reader (not included).

7.0 DRONE MAINTENANCE

Avoid exposing your Blade and its accessories to dust, sand and moisture as these can damage the Blade. If the Blade is exposed to dust or sand, use a soft brush to remove any visible particles.

7.1 REPLACEMENT PARTS

We understand that it's not always easy learning how to fly a drone, and sometimes a close call can turn into a crash landing. To thank you for your support of Zero-X purchase and to help you build you confidence in learning how to fly your drone we want to offer you 50% off your first order of any spare parts by using the code below on www.zero-x.com.au. There you will be able to find and buy the spare parts listed below.

- Battery
- Counter Clockwise Motor
- Clockwise Motor
- Rotor guards



7.0 WARRANTY TERMS & CONDITIONS

Our goods come with guarantees that cannot be excluded under the Australian and New Zealand Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

This warranty is provided in addition to your rights under the Australian & New Zealand Consumer Law.

Zero-X warrants that this product is free from defects in material and workmanship for a period of 12 months from the date of purchase or for the period stated on the packaging. This warranty is only valid where you have used the product in accordance with any recommendations or instructions provided by Zero-X.

This warranty excludes defects resulting from alterations of the product, accident, misuse, abuse or neglect.

In order to claim the warranty, you must return the product to the retailer from which it was purchased or if that retailer is part of a National network, a store within that chain, along with satisfactory proof of purchase. The retailer will then return the goods to Zero-X. Zero-X will repair, replace or refurbish the product at its discretion. The retailer will contact you when the product is ready for collection. All costs involved in claiming this warranty, including the cost of the retailer sending the product to Zero-X, will be borne by you.

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NOTES


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CE FC    
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