

QUADRODRONE

AW-QDR-TBCAM
FCC ID: 2AANZQDR TBCAM

Instruction Manual

Introduction

• Thank you for choosing Quadrone! This is a four-axis aircraft that can fly outdoors, in order to make it easier to control the aircraft. Please carefully read this manual before operating your Quadrone. Please keep this manual for future reference.

• Before your first flight, please take the time to carefully read this manual containing important flight information which will help your first flight go more smoothly.

Table of Contents

Introduction	1
Table of Contents	1
Notice	2
Additional Warnings and Precautions	2
Safety Notes	2
Included	3
Remote Controller Diagram	4
Remote Controller Battery Installation	4
Charging Your Drone	5
Installing the Camera	5
Syncing the Quad and Remote	5
Flight Controls	6
Practice Tips	7
Trimming the Quad	8
Flips and Rolls	9
Speed Selection	9
Headless Mode	9
Auto Return	10
Taking Photo/Video	10
Changing the Blades	10
Troubleshooting	12

Notice

• All instructions, warranties and other collateral documents are subject to change at the sole discretion of our company.

Warnings

• Read the ENTIRE instruction manual to become familiar with the features of the product before operating. Failure to operate the product correctly can result in damage to the product, personal property or cause serious injury. This is a sophisticated hobby product. It must be operated with caution and common sense, and requires some basic mechanical ability. Failure to operate this product in a safe and responsible manner could result in injury or damage to the product or property. This product is not intended for use by children without direct adult supervision. This manual contains instructions for safety, operation and maintenance. It is essential to read and follow all the instructions and warnings in this manual, prior to assembly, set up or use, in order to operate correctly and avoid damage or serious injury.

Additional Warnings and Precautions

1. Age Recommendation: Not for children under 14 years of age. This is not a toy.
2. Always operate in open spaces away from obstacles, people, and hazards.
3. Always follow directions and warnings for this and any optional equipment carefully. (chargers, rechargeable battery packs, etc)
4. Always keep small parts and electrical parts out of the reach of children.
5. Always avoid water exposure to all equipment not specifically designed and protected for this purpose. Moisture can cause damage to electronics.
6. Never place any portion of the model in your mouth as it could cause serious injury or even death.
7. Never operate your model with low batteries.

Safety Notes

• If this is your first time flying a quadcopter read the manual carefully. Seek the help of an experienced pilot to help you fly. These safety instructions are intended not only for the protection of your Quadrone but also to protect your own safety. Improper operation can cause injury or property damage.

• This product is suitable for indoor and outdoor use. Please make sure you choose a flight area with no obstacles and maintain a safe distance from people and pets. Do not operate near power lines.

RC models are composed of many precise electrical components. It is important to keep the model and associated equipment away from moisture and other contaminants. The introduction of exposure to water or moisture in any form can cause the model to malfunction or crash. Do not operate or expose to rain or moisture.

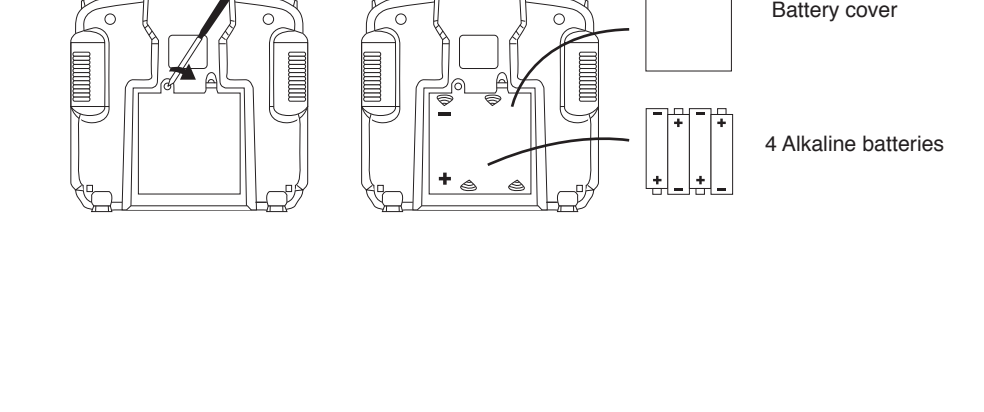
• To avoid a potential fire hazard from batteries, do not short, reverse polarity, or puncture batteries. Battery charging should be done under adult supervision at all times, at a location out of reach of children. Do not mix Ni-Cad and Alkaline batteries.

• Make sure the batteries are installed correctly to ensure correct polarity. If you do not plan to use your Quadrone for an extended period of time, remove the batteries from the controller to avoid battery leakage which may damage the controller. Please dispose depleted batteries according to local laws and ordinances.

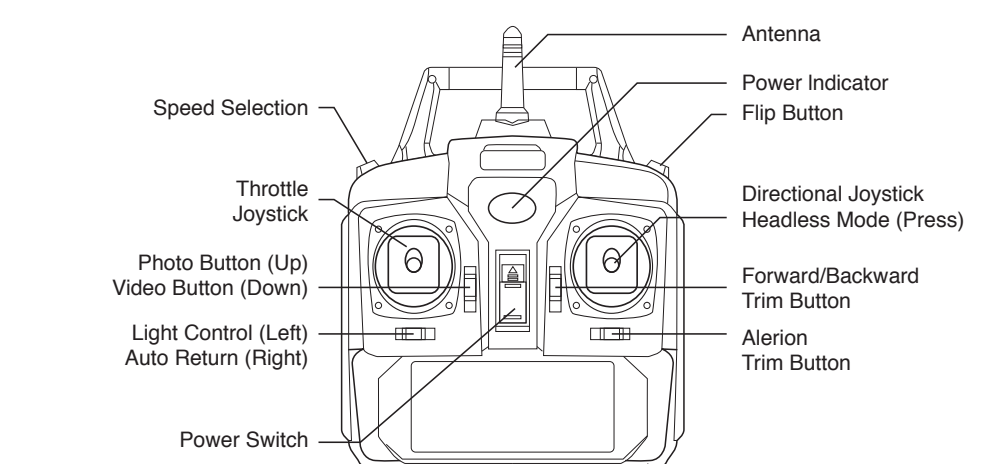
• Li-Polymer batteries have higher operational risks compared to other batteries. It is imperative to follow proper operational guidelines. The manufacturer and dealer assume no liability for accidental damages caused by improper usage. Do not use any other charger other than the supplied charger included in this packaging in order to avoid potential fire or explosion. Do not crush, disassemble, burn, or reverse polarity.

• RC models are made from various forms of plastic very susceptible to damage or deformation due to extreme heat and cold temperatures. Make sure not to store the model near any heat source or adverse temperatures.

Included

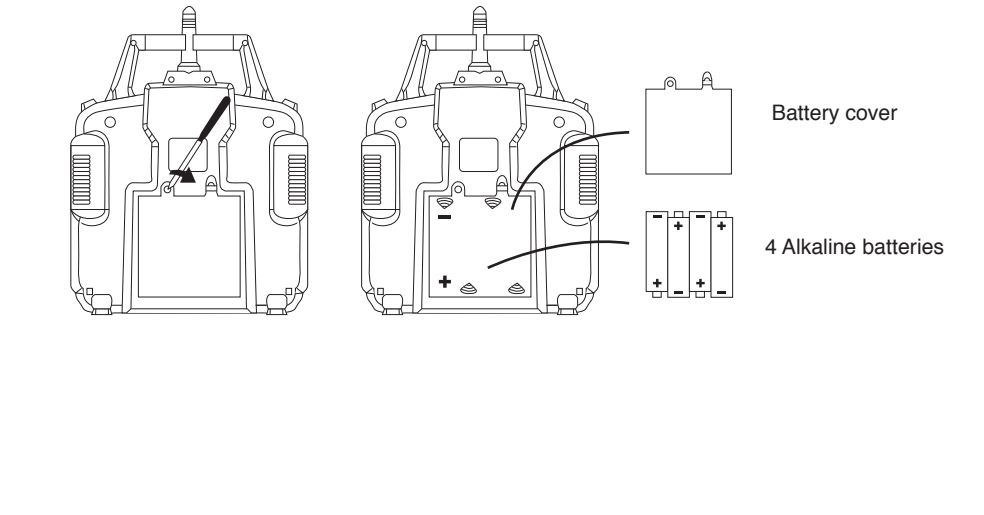


Remote Controller Diagram



Remote Controller Battery Installation

To install batteries, use the included screw driver to open the battery cover. Rotate counter clockwise to loosen screw. Insert 4 AA batteries into the remote. Make sure the batteries are installed in the correct polarity as indicated in the controller. Do not mix old and new batteries or batteries with different chemistries. Reattach battery cover. Rotate screw clockwise to refasten.

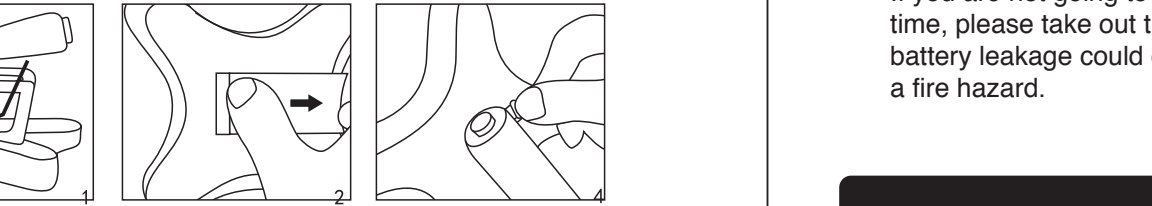


Charging Your Drone

• To charge your Quadrone, first disconnect the battery from the drone and slide it out of its holder. Plug the provided USB charger into a USB port. A green light on the USB charger will turn on. Now connect the USB charger to the battery. The light on the charger will turn red, indicating the battery is now charging. The red light will turn green again once the charging process has completed. Always charge your Quadrone under adult supervision and out of the reach of children. Charging time is approximately 30 minutes. When you are ready to fly your Quadrone again, reinsert the battery into its slot on the bottom of the drone.

Installing the Camera

1. Slide the camera into the slots under the drone on the battery holder to secure it to the drone.
2. Connect the camera by inserting the power cable into the slot on the bottom of the drone.

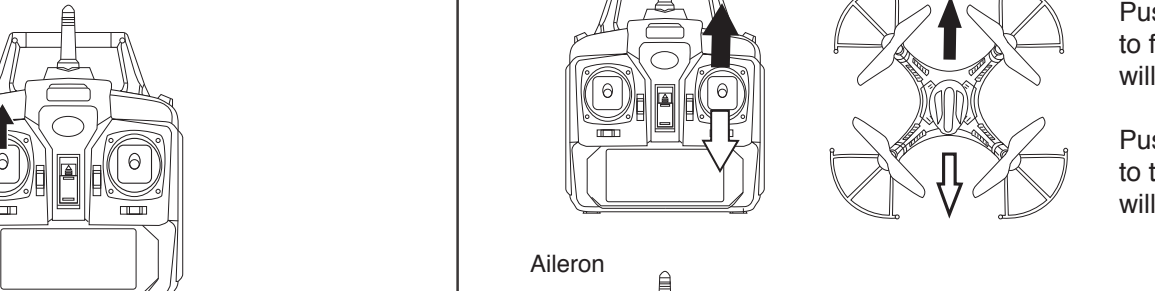


Installing the Landing Gear and Crash Guards

1. To install the landing gear, simply insert the landing gear into the bottom of the drone. The landing gear will snap in when fully inserted.
2. To install the crash guards, insert them into the slots at the end of each arm. Use the provide screw and screwdriver to secure the guard in place.

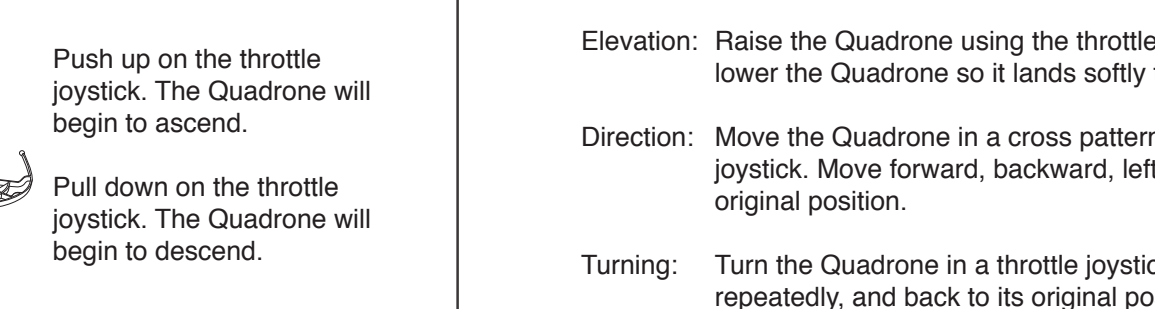
Syncing the Quad and Remote

1. Insert the battery into the drone and connect its wires. Turn on the drone and place it on a flat surface. The lights on the drone will begin to flash. Do not move the Quadrone during the syncing process to ensure the gyroscope stays balanced.
2. Lower the Throttle Joystick on the remote to its lowest position. Turn the remote on. Push the Throttle Joystick to its highest position. The lights on the Quadrone will stop flashing and stay on and the remote will beep. You are now ready to fly your drone.

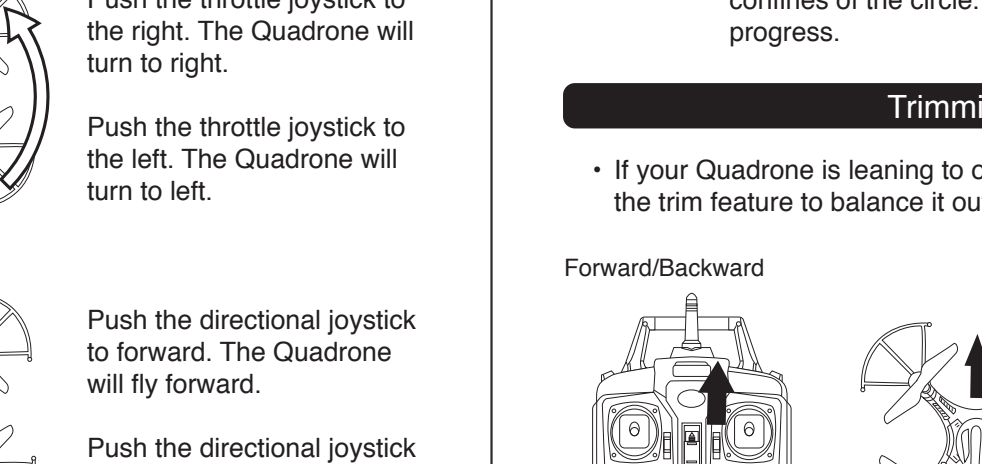


Flight Controls

• Before flying your Quadrone, it is highly recommended that you familiarize yourself completely with its controls. Read through the instruction manual completely before attempting your first flight.

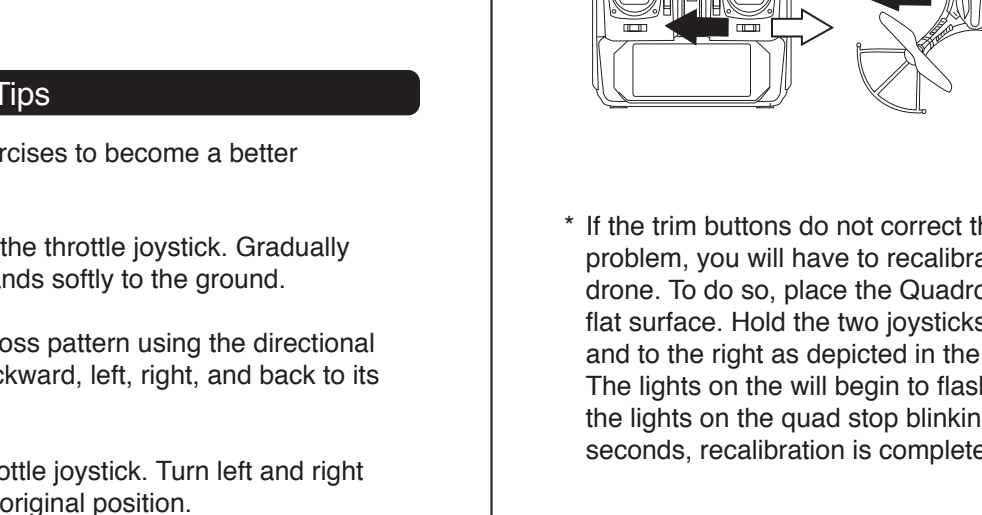


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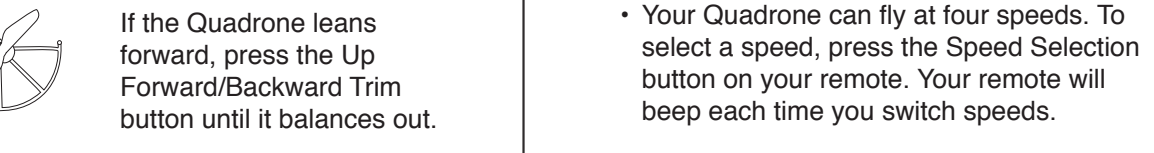
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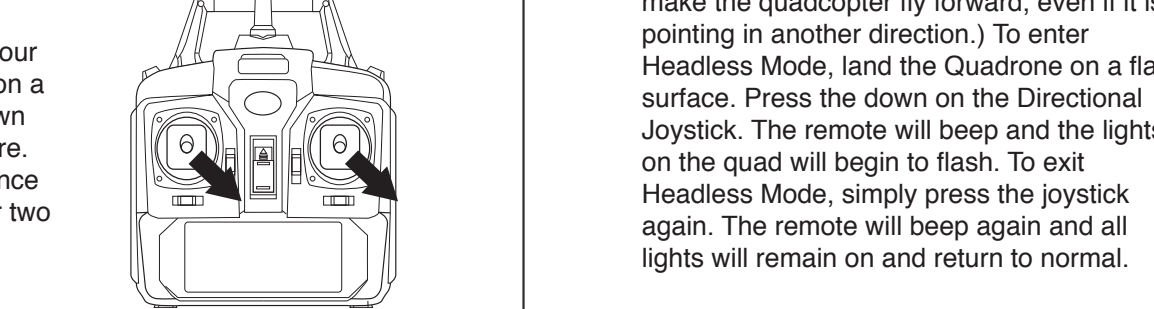
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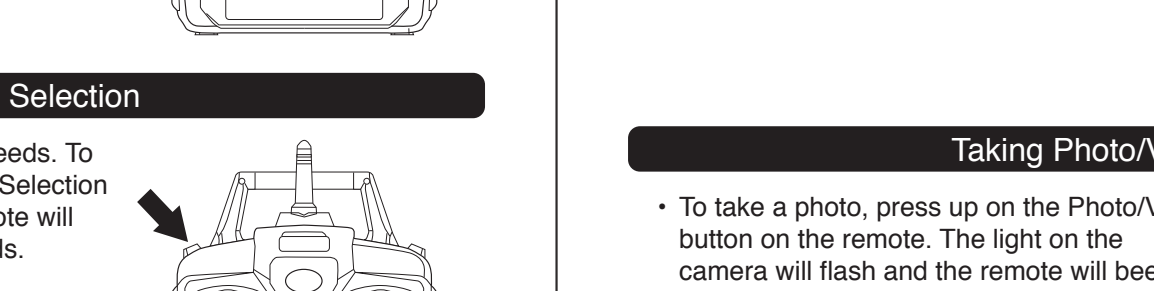
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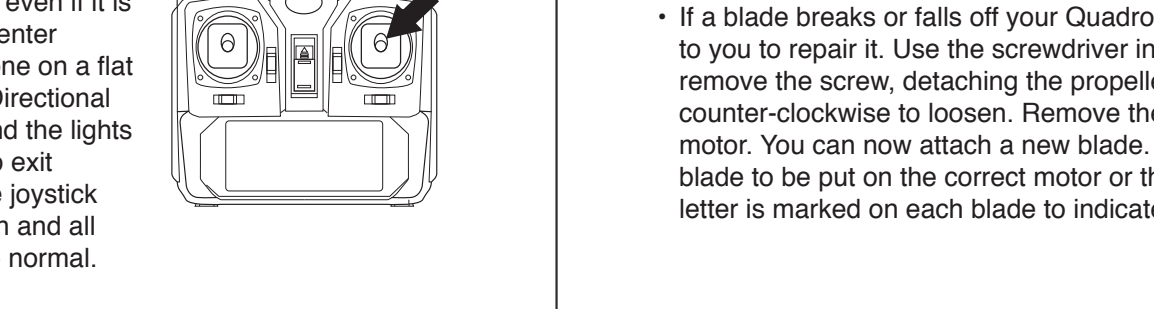
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2. Lower the Throttle Joystick on the remote to its lowest position. Turn the remote on. Push the Throttle Joystick to its highest position. The lights on the Quadrone will stop flashing and stay on and the remote will beep. You are now ready to fly your drone.



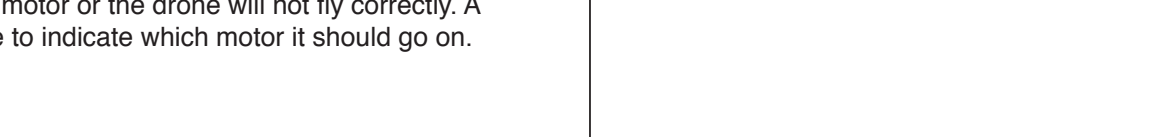
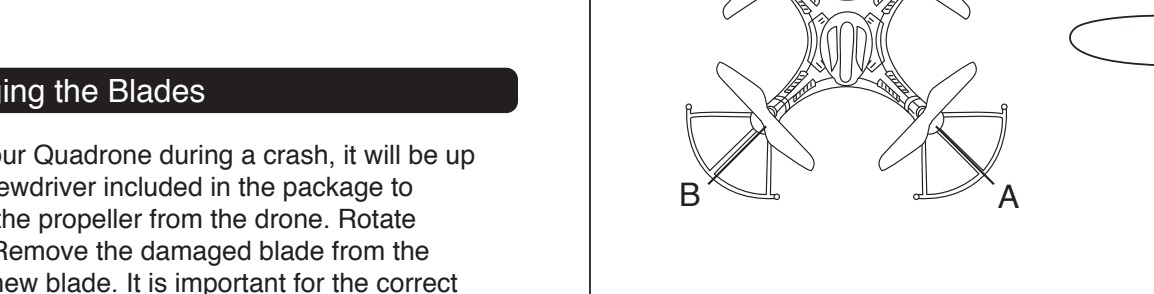
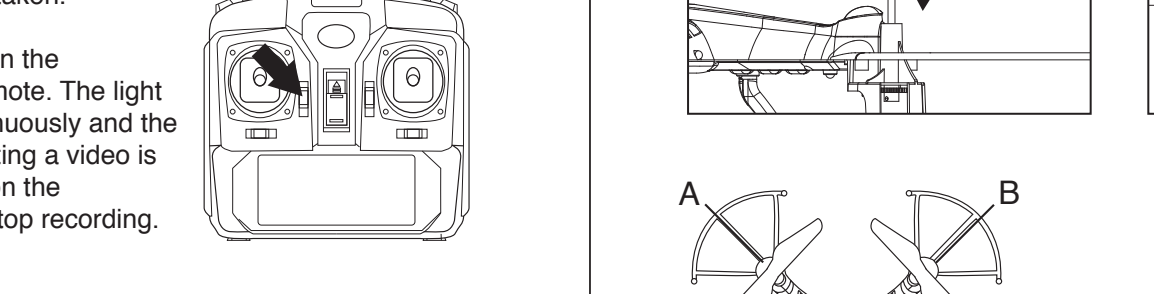
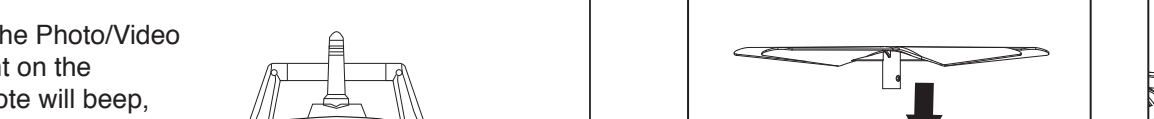
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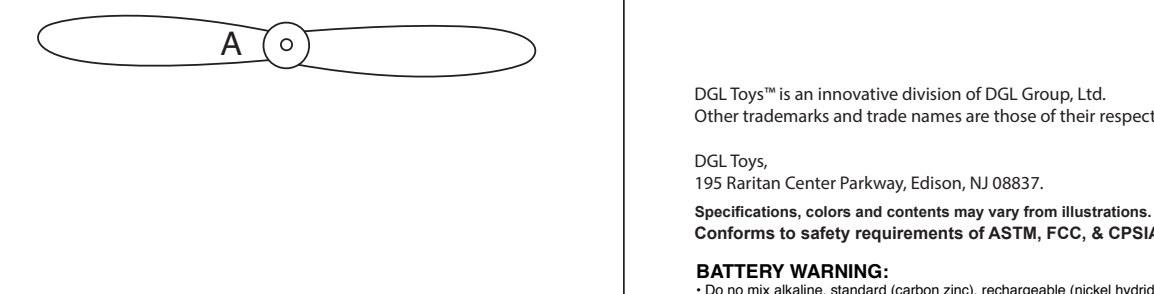
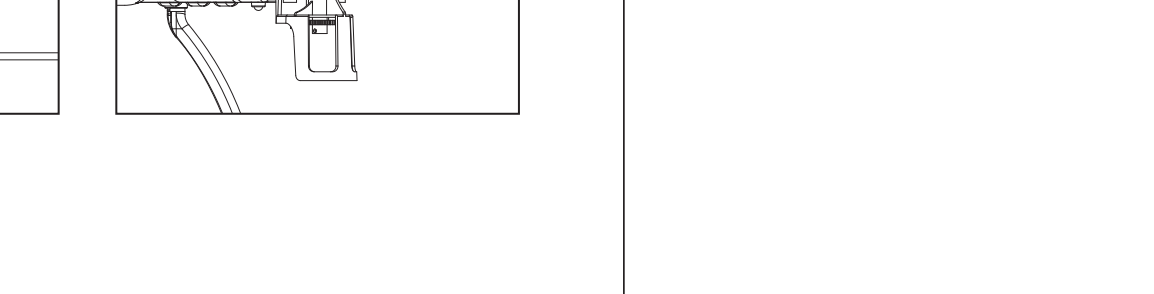
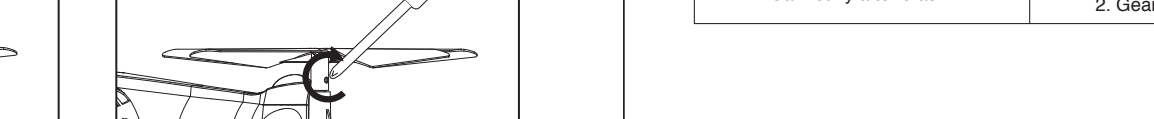
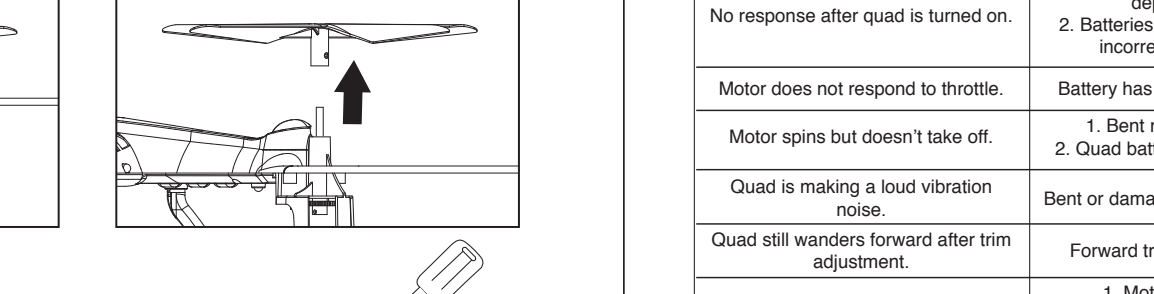
Flips and Rolls

• Your Quadrone can perform impressive flips and rolls in midair. In order to do this, press the flip button on your remote during flight. Move the directional joystick in any direction and the aircraft will perform a coinciding flip.



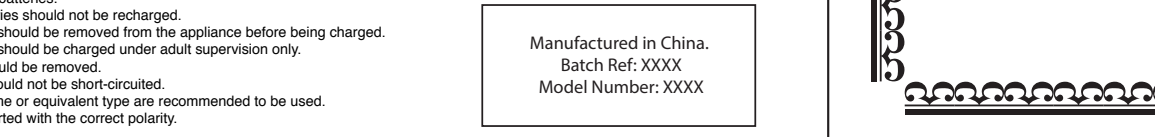
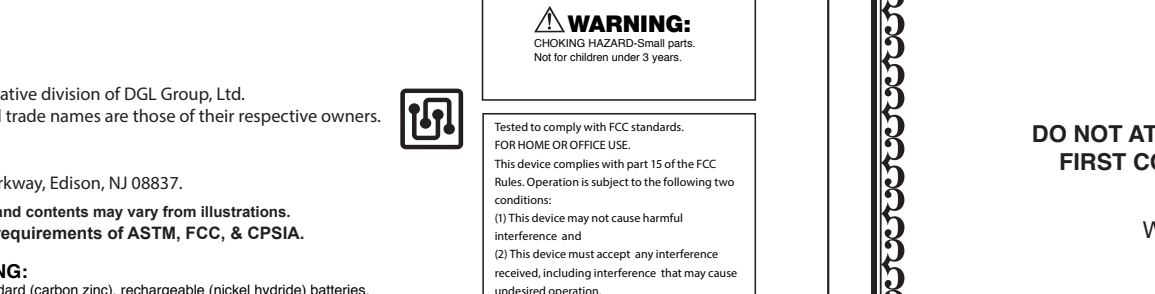
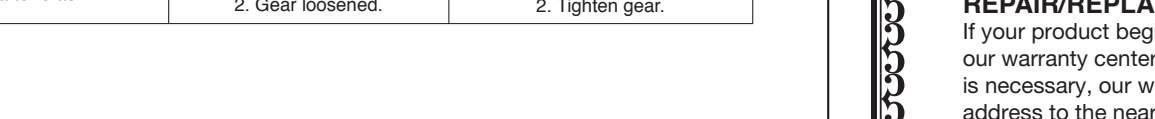
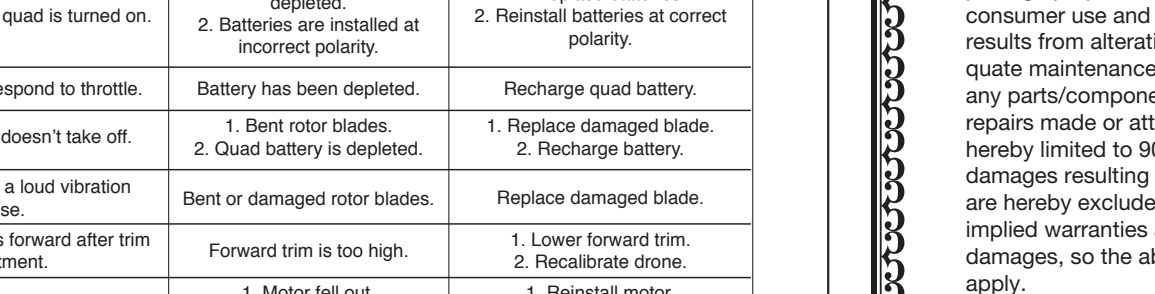
Speed Selection

• Your Quadrone can fly at four speeds. To select a speed, press the Speed Selection button on your remote. Your remote will beep each time you switch speeds.



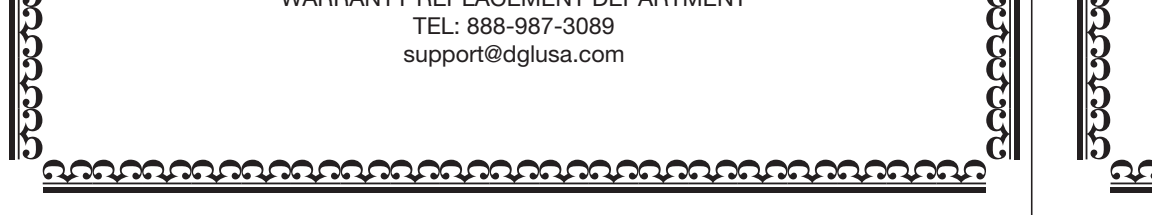
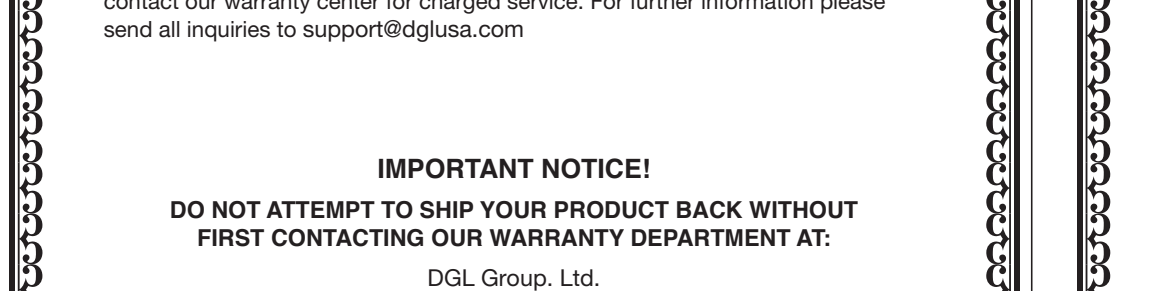
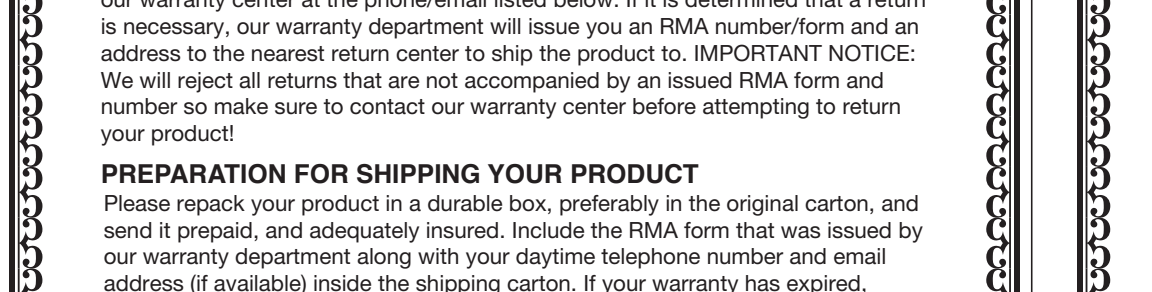
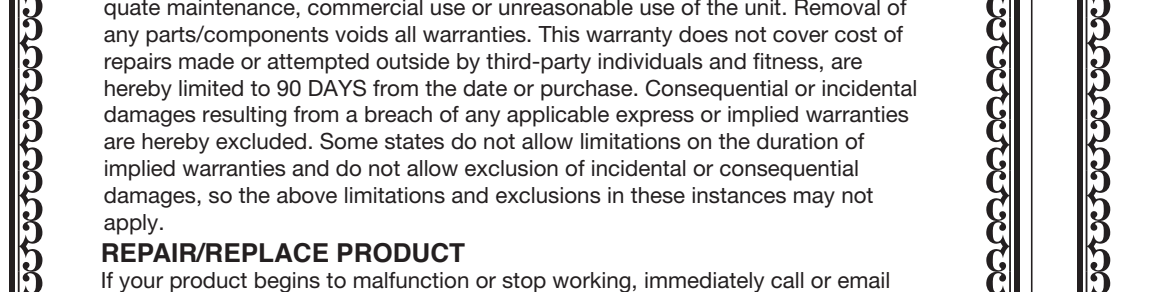
Headless Mode

• When in Headless Mode, no matter what direction the quadcopter faces, it will respond according to the direction pushed on the remote. (Forward on the remote will make the quadcopter fly forward, even if it is pointing in another direction). To enter Headless Mode, land the Quadrone on a flat surface. Press the down on the Directional Joystick. The remote will beep and the lights on the quad will begin to flash. To exit Headless Mode, simply press the joystick again. The remote will beep again and all lights will remain on and return to normal.



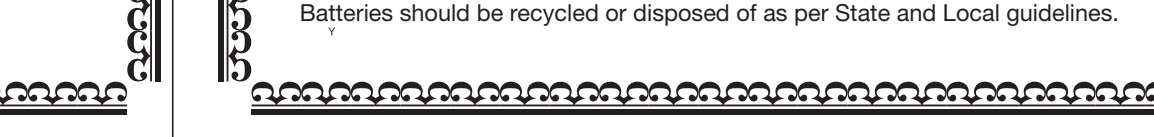
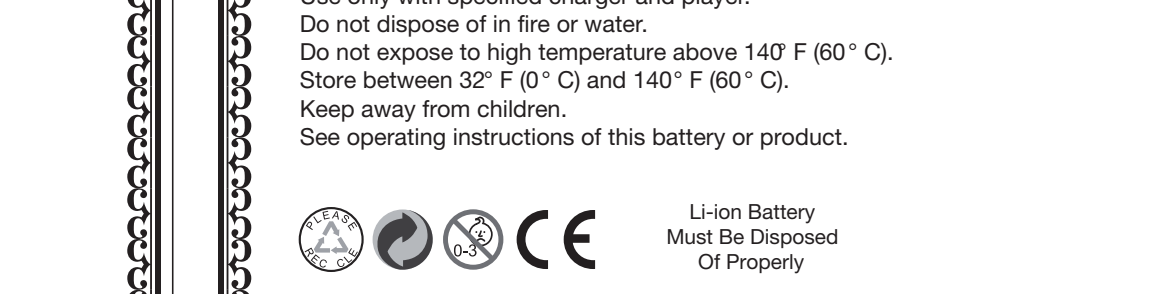
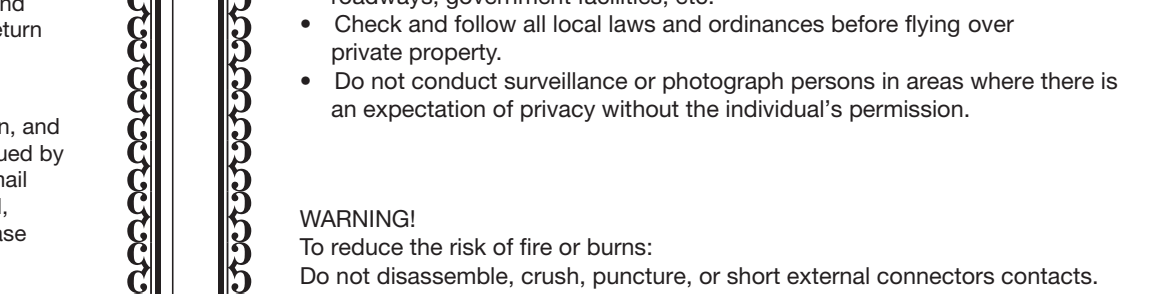
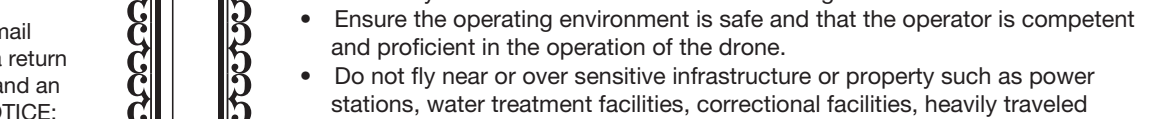
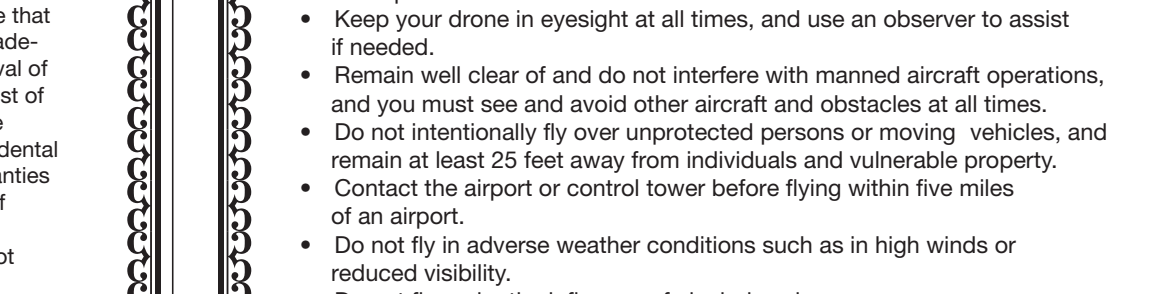
Auto Return

• To enter Auto Return simply press the Auto Return button while in Headless Mode. The remote will beep and the lights on the quad will begin to flash. The drone will begin to fly directly backwards towards the remote. To exit Auto Return, press the button again or press forward on the Directional Joystick.



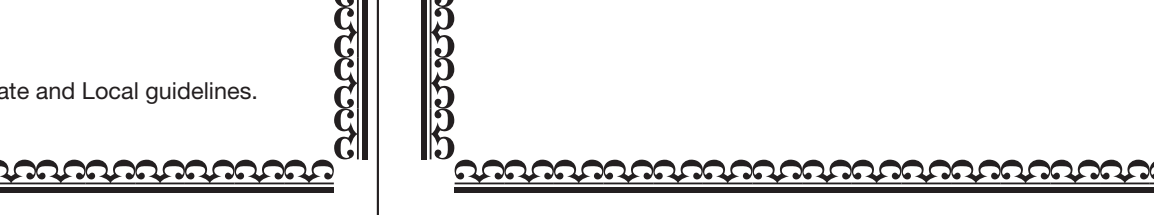
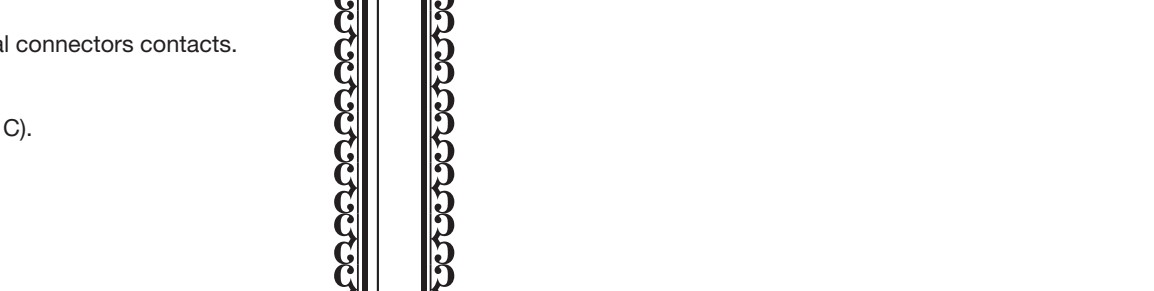
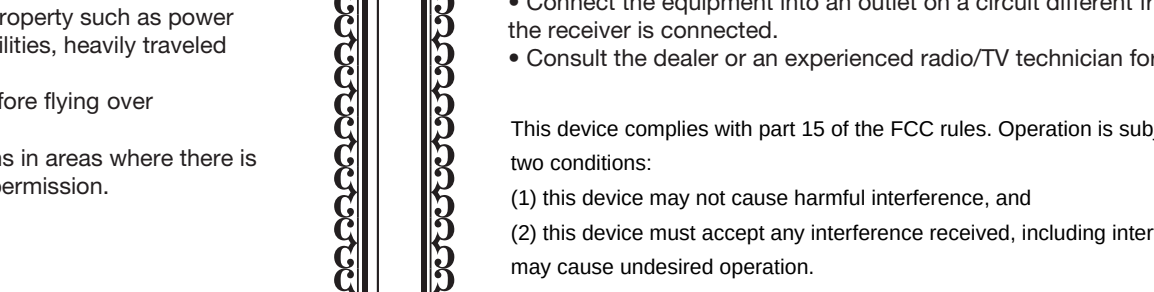
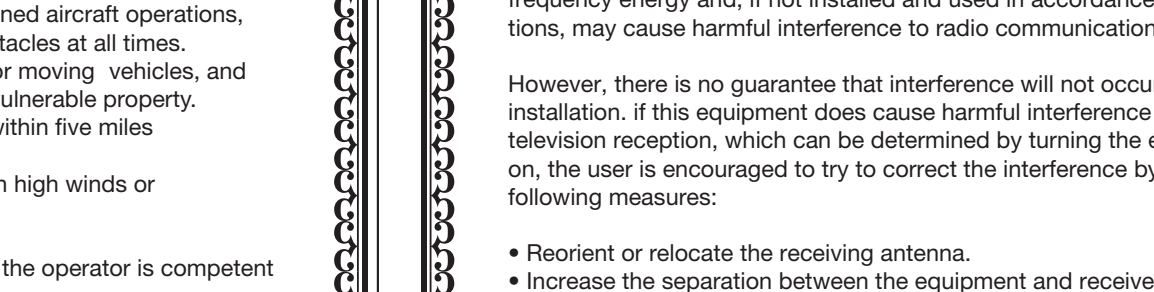
Taking Photo/Video

• To take a photo, press up on the Photo/Video button on the remote. The light on the camera will flash continuously and the remote will beep twice, indicating a video is being recorded. Press down on the Photo/Video button again to stop recording.



Changing the Blades

• If a blade breaks or falls off your Quadrone during a crash, it will be up to you to repair it. Use the screwdriver included in the package to remove the screw, detaching the propeller from the drone. Rotate counter-clockwise to loosen. Remove the damaged blade from the motor. You can now attach a new blade. It is important for the correct blade to be put on the correct motor or the drone will not fly correctly. A letter is marked on each blade to indicate which motor it should go on.



Troubleshooting

Problem	Cause	Solution
Drone's LED lights blink continuously for more than 4 seconds after quad is turned on. No response to controller.	Unable to sync to remote controller.	Repeat power sequence and re-sync. (See pag. 5)
No response after Quad is turned on.	1. Remote batteries have been depleted. 2. Batteries are installed at incorrect polarity.	1. Replace batteries. 2. Reinstall batteries at correct polarity.
Motor does not respond to throttle.	Battery has been depleted.	Recharge quad battery.
Motor spins but doesn't take off.	1. Bent rotor blades. 2. Quad battery is depleted.	1. Replace damaged blade. 2. Recharge battery.
Quad is making a loud vibration noise.	Bent or damaged rotor blades.	Replace damaged blade.
Quad still wanders forward after trim adjustment.	Forward trim is too high.	1. Lower forward trim. 2. Recalibrate drone.
Cannot fly after crash.	1. Motor fell out. 2. Gear loosened.	1. Reinstall motor. 2. Tighten gear.

REPAIR/REPLACE TO FUNCTION

If your product begins to malfunction or stop working, immediately call or email our warranty center at the phone/email listed below. If it is determined that a return is necessary, our warranty department will issue you an RMA number/form and an address to the nearest return center to ship the product to. **IMPORTANT NOTICE:** We will reject all returns that are not accompanied by an issued RMA form and number so make sure to contact our warranty center before attempting to return your product!

PREPARATION FOR SHIPPING YOUR PRODUCT

Please repack your product in a durable box, preferably in the original carton, and send it prepaid, and adequately insured. Include the RMA form that was issued by our warranty department along with your daytime telephone number and email address (if available) inside the shipping carton. If your warranty has expired, contact our warranty center for charged service. For further information please send all inquiries to support@dglusa.com

IMPORTANT NOTICE!

DO NOT ATTEMPT TO SHIP YOUR PRODUCT BACK WITHOUT FIRST CONTACTING OUR WARRANTY DEPARTMENT AT:
DGL Group, Ltd.
WARRANTY REPLACEMENT DEPARTMENT
TEL: 888-987-3089
support@dglusa.com

WARNING!

To reduce the risk of fire or burns: Do not disassemble, crush, puncture, or short external connectors contacts. Use only with specified charger and player. Do not dispose of in fire or water. Do not expose to high temperature above 140° F (60° C). Store between 32° F (0° C) and 140° F (60° C). Keep away from children. See operating instructions of this battery or product.

Li-Ion Battery

Must Be Disposed Of Properly
Batteries should be recycled or disposed of as per State and Local guidelines.