



KICKOFF

QUADCOPTER

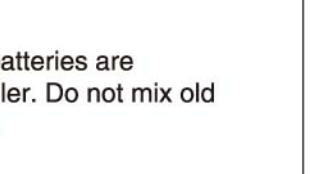
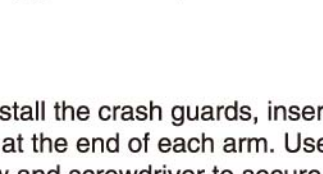
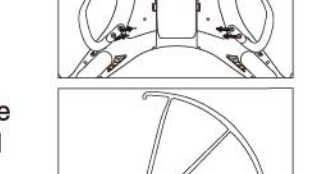
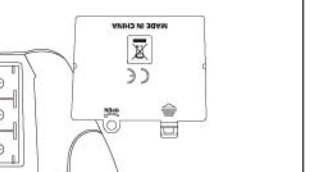
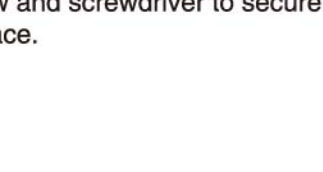
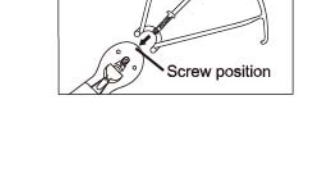
Remote Control
NFL-QDR-PRO

INSTRUCTION MANUAL

BY QUADDRONE

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.	1
• 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.	1
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NOTICE	
• All instructions, warranties and other collateral documents are subject to change at the sole discretion of our company.	1

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

INCLUDED	
 Quadrone x1	3
 Remote Controller x1	3
 Li-Polymer Battery x1	3
 Screwdriver x1	3
 USB Charger x1	3
 Extra Blades x4	3
QUADDRONE DIAGRAM	
 Blade Back Motor Front	4
REMOTE CONTROLLER DIAGRAM	
 Power Switch Speed Selection Throttle Joystick Headless Mode Auto take off / Auto land One-Key Return Left Trim Right Trim Backward Button Flip Button Directional Joystick Forward Joystick Emergency Stop	4
REMOTE CONTROLLER BATTERY INSTALLATION	
1. Use the included screwdriver to open the battery cover. Rotate counter clockwise to loosen screw.	4
2. Insert 3 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.	4
3. Reattach battery cover.	4

SYNCING THE QUAD AND REMOTE

Turn on your Quadrone by changing the switch on the back of the drone from OFF to ON. Place it on a flat surface. Do not move the Quadrone during the syncing process to ensure the gyroscope stays balanced.

Turn on your remote controller. The lights on the drone will begin to flash. After 5 seconds, the remote and the drone will begin to sync together.

Push the Throttle joystick down to its lowest position. Now move it up to its highest position and back down again to its lowest. The lights on the drone will stop flashing and turn on. The Quadrone and remote controller have been synced together. You are now ready to fly.

If you are not going to use your Quadrone for an extended period of time, please take out the batteries in your remote controller. Potential battery leakage could occur and possibly damage the remote or create a fire hazard.

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.

TAKE OFF

To take off the propellers, simply press the Auto Take Off button. The propellers will start to spin.

A diagram showing a side view of the remote controller with an arrow pointing to the 'Auto Take Off' button. Below it is a top-down view of the Quadrone drone with an arrow pointing to the 'Auto Take Off' button on its top surface.

Push up on the throttle joystick. The drone will begin to ascend.

Pull down the throttle joystick. The drone will begin to descend.

Turning

A diagram showing a side view of the remote controller with an arrow pointing to the 'Turning' button. To the right is a top-down view of the Quadrone drone with curved arrows indicating a 360-degree turn.

Forward/Backward

A diagram showing a side view of the remote controller with an arrow pointing to the 'Forward/Backward' button. To the right is a top-down view of the Quadrone drone with straight arrows indicating forward and backward movement.

Roller

A diagram showing a side view of the remote controller with an arrow pointing to the 'Roller' button. To the right is a top-down view of the Quadrone drone with straight arrows indicating left and right movement.

AUTO LAND

When you are ready to finish flying your drone, press the Auto Land button on your remote. The drone will slowly descend to the ground. The joystick to steer the drone to where you want it to land. Once on the ground, the drone's propellers will power down and stop.

EMERGENCY LANDING

When pressed, the Emergency Stop Button will cut all power to the drone and it will immediately stop flying. Use this button for emergencies when you are beginning to lose control of your drone. Please note that this button is for emergencies, used only to prevent severe damage to the drone or people.

6

7

SYNCHING THE QUAD AND REMOTE	
1. Turn on your Quadrone by changing the switch on the back of the drone from OFF to ON. Place it on a flat surface. Do not move the Quadrone during the syncing process to ensure the gyroscope stays balanced.	6
2. Turn on your remote controller. The lights on the drone will begin to flash. After 5 seconds, the remote and the drone will begin to sync together.	6
3. Push the Throttle joystick down to its lowest position. Now move it up to its highest position and back down again to its lowest. The lights on the drone will stop flashing and turn on. The Quadrone and remote controller have been synced together. You are now ready to fly.	6
• If you are not going to use your Quadrone for an extended period of time, please take out the batteries in your remote controller. Potential battery leakage could occur and possibly damage the remote or create a fire hazard.	6
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.	6
AUTO TAKE OFF	
To start the propellers, simply press the Auto Take Off button. The propellers of your drone will start to spin.	6
AUTO LAND	
When you are ready to finish flying your drone, press the Auto Land Button on your remote. The drone will slowly descend to the ground. Use the Directional Joystick to steer the drone to where you want it to land. When it touches down, the drone's propellers will power down and stop spinning.	6
ELEVATION	
Push up on the throttle joystick. The drone will begin to ascend.	6
Pull down the throttle joystick. The drone will begin to descend.	6
EMERGENCY LANDING	
When pressed, the Emergency Stop Button will cut all power to your drone and it will immediately stop flying. Use this button for emergencies like if you are beginning to lose control of your drone. Please note when this button cuts the power to your drone, your drone will immediately fall from the sky. Try not to use this button when your drone is over people, trees, or water. This button is for emergencies, used only to prevent severe damage or loss of drone.	6

PRACTICE TIPS	
• Use these recommended practice exercises to become a better Quadrone pilot:	7
Elevation: Raise the Quadrone using the throttle joystick. Gradually lower the Quadrone so it lands softly to the ground.	7
Direction: Move the Quadrone in a cross pattern using the directional joystick. Move forward, backward, left, right, and back to its original position.	7
Turning: Turn the Quadrone in a throttle joystick. Turn left and right repeatedly, and back to its original position.	7
Flying: Once you have mastered the previous three exercises, draw a circle on the ground. Practice flying within the confines of the circle. Narrow the circle as your skills progress.	7
TRIMMING THE QUAD	
• If your Quadrone is leaning to or favoring a side, you may need to use the trim feature to balance it out so it flies straight.	7
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.	7
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 Headless Mode button. The remote will beep and the lights on the quad will begin to flash. To exit Headless Mode, simply press the button again. The remote will beep again and all lights will remain on and return to normal.	7
When in Headless mode, be sure you are positioned in the original pairing position. The best way to determine this is by locating the FRONT of your drone. The front is the pairing point. (Refer to drone diagram on page 4 for front). If you pair your drone while it is not in the front position, it is likely to fly in an undesired direction. If you encounter this problem it could be because you moved positions. Turn off your remotel and your drone and try pairing it again in the correct FRONT position.	7

SPEED SELECTION	
• Your Quadrone can fly at three speeds. To select a speed, simply switch the Speed Selection button on your remote.	8
Low Speed - One Beep Medium Speed - Two Beeps High Speed - Three Beeps	8
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.	8
See diagram below:	8
Once you have mounted the new blade, you can refasten it with the screw. Rotate clockwise to tighten.	8
TROUBLESHOOTING	
Drone's LED lights blink continuously for more than 4 seconds after quad is turned on. No response to controller.	9
No response after quad is turned on.	9
Motor does not respond to throttle.	9
Motor spins but doesn't take off.	9
Quad is making a loud vibration noise.	9
Quad still wanders forward after trim adjustment.	9
Cannot fly after crash.	9
Unable to sync to remote controller.	9
1. Remote batteries have been depleted.	9
2. Batteries are installed at incorrect polarity.	9
1. Replace batteries.	9
2. Reinstall batteries at correct polarity.	9
Battery has been depleted.	9
1. Bent rotor blades.	9
2. Quad battery is depleted.	9
1. Replace damaged blade.	9
2. Recharge battery.	9
Bent or damaged rotor blades.	9
Forward trim is too high.	9
1. Lower forward trim.	9
2. Recalibrate drone.	9
1. Motor fell out.	9
2. Gear loosened.	9
1. Reinstall motor.	9
2. Tighten gear.	9
FLIPS AND ROLLS	
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SAFETY GUIDELINES	
• Follow community-based safety guidelines, as developed by organizations such as the Academy of Model Aeronautics (AMA).	10
• Fly no higher than 400 feet and remain below any surrounding obstacles when possible.	10
• Keep your eye on the drone in eyesight at all times, and use an observer to assist if needed.	10
• Remain well clear of and do not interfere with manned aircraft operations, and you must see and avoid other aircraft and obstacles at all times.	10
• Do not intentionally fly over unprotected persons or moving vehicles, and remain at least 25 feet away from individuals and vulnerable property.	10
• Contact the airport or control tower before flying within five miles of an airport.	10
• Do not fly in adverse weather conditions such as in high winds or reduced visibility.	10
• Do not fly under the influence of alcohol or drugs.	10
• Ensure the operating environment is safe and that the operator is competent and proficient in the operation of the drone.	10
• Do not fly near or over sensitive infrastructure or property such as power stations, water treatment facilities, correctional facilities, heavily traveled roadways, government facilities, etc.	10
• Check and follow all local laws and ordinances before flying over private property.	10
• Do not conduct surveillance or photograph persons in areas where there is an expectation of privacy without the individual's permission.	10
BATTERY DISPOSAL GUIDELINES	
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.	10
DGL TOYS™ is an innovative division of DGL Group, Ltd. Other trademarks and trade names are those of their respective owners. DGL TOYS, 1950 Sunland Center Parkway, Edison, NJ 08817. Specifications, colors and contents may vary from illustrations. Conforms to safety requirements of ASTM, FCC, & CPSIA.	10
BATTERY WARNING: • Do not mix alkaline, standard (carbon zinc), rechargeable (nickel hydride) batteries. • Do not mix old and new batteries. • Non-rechargeable batteries should be removed from the appliance before being charged. • Rechargeable batteries should be charged under adult supervision only. • Exhausted batteries should be removed. • The supply terminals should not be short-circuited. • Only batteries of the same or equivalent type are recommended to be used. • Batteries should be inserted with the correct polarity.	10
FCC ID: 2AANZQDRP0 Tested to comply with FCC standards. (Do NOT use CRITICAL USE.) This 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. 2) This device must accept any interference received, including interference that may cause undesired operation.	10
WARNING: CHOKING HAZARD-Small parts. Not for children under 3 years.	10
Manufactured in China. Batch Ref: 170715DCI Model Number: NFL-QDR-PRO	10
Li-Ion Battery Must Be Disposed Of Properly	10
Batteries should be recycled or disposed of as per State and Local guidelines.	10

LIMITED 90-DAY WARRANTY	
DGL Group, Ltd. warrants to the original consumer that this product is free from any electrical or mechanical defects for a period of 90 DAYS from the date of purchase. If any such defect is discovered within the warranty period, DGL Group, Ltd. will repair or replace the unit free of charge upon receipt of the unit, shipped postage prepaid and insured to our warranty center. The warranty covers normal consumer use and does not cover damage that occurs in shipment or failure that results from alterations, accident, misuse, abuse, neglect, wear and tear, inadequate maintenance, commercial use or unreasonable use of the unit. Removal of any parts/components voids all warranties. This warranty does not cover cost of repairs made or attempted outside by third-party individuals and fitness, are hereby limited to 90 DAYS from the date of purchase. Consequential or incidental damages resulting from a breach of any applicable express or implied warranties are hereby excluded. Some states do not allow limitations on the duration of implied warranties and do not allow exclusion of incidental or consequential damages, so the above limitations and exclusions in these instances may not apply.	11
REPAIR/REPLACE PRODUCT 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!	11
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	11
IMPORTANT NOTICE! DO NOT ATTEMPT TO SHIP YOUR PRODUCT BACK WITHOUT FIRST CONTACTING OUR WARRANTY DEPARTMENT AT: DGL Group, Ltd. WARRANTY REPLACEMENT DEPARTMENT support@dglusa.com	11
Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. 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 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/TV technician for help.	11