

INTRODUCTION

Thank you for buying LANDBOW products. The quadcopter is designed as an easy to use, full featured RC model capable of all forms of rotary flight. Please read the manual carefully and follow all precautions and recommendations within the manual. Be sure to retain the manual for future reference, routine maintenance, and tuning.

IMPORTANT NOTES

This RC quadcopter is not a toy, it utilizes various high-tech products and technologies to provide superior performance.

Please read this manual carefully before operating this product. Improper use of this product can result in serious injury. Be aware of your personal safety, safety of others and your surrounding environment.

We recommend that you obtain the assistance of an experienced pilot before attempting to fly our product for the first time.

SAFETY NOTES

CAUTION

R/C quadcopter have parts that move at high speed, thus posing a certain degree of danger. Pilots are responsible for any actions resulting in damage or injury from the improper operation of their R/C aircraft models.

Choose a wide open space without obstacles. Do not operate R/C aircraft near buildings, crowds of people, high voltage cables, or trees to ensure the safety of yourself, others and your model.

Operate this unit within your ability. Do not fly whilst tired, improper operation may cause in danger.

LiPo Battery Recharging

Your quadcopter is powered by a Lithium-Polymer (LiPo) battery.

Never recharge your battery whilst it is inserted in your model. It can catch fire leading to the total destruction of the item.



SAFETY ADVISORY NOTICE

[Lithium-Polymer (LiPo) Batteries]

LiPo batteries differ from conventional batteries in that their chemical contents are encased in a relatively insubstantial foil packaging. This has the advantage of significantly reducing their weight, but does make them more susceptible to damage if roughly or inappropriately handled. As with all batteries, there is a risk of fire or explosion if safety practices are ignored:

- Charge and store LiPo batteries in a location where a battery fire or explosion (including smoke hazard) will not endanger life or property
- Keep LiPo batteries away from children and animals
- Consider how you would deal with a LiPo battery fire/explosion as part of your normal home Fire Safety & Evacuation Planning
- Never charge a LiPo pack that has ballooned or swelled due to over-/under-charging or from a crash
- Never charge a LiPo battery pack that has been punctured or damaged in a crash (After a crash, inspect the battery pack for the sign of damage. Discard in accordance with your country's recycling laws.)
- Do not charge LiPo batteries near flammable materials or liquids
- Ensure that charging leads are connected correctly. Reverse polarity charging can lead to battery damage or a fire or explosion
- Never charge a LiPo battery in a moving vehicle
- Only charge your LiPo battery using the supplied "balanced" charger
- Have a suitable (electrical type) fire extinguisher near the charging area OR a large bucket of dry sand. Do not try to extinguish electrical (LiPo) battery fires with water
- Reduce risks from fire/explosion by storing and charging LiPo batteries inside a suitable container: a LiPo Sack or metal/ceramic container is advised
- Monitor recharging LiPo batteries for signs of overheating
- Never over charge a LiPo battery
- Never leave a LiPo battery unattended during recharging
- Protect your LiPo battery from accidental damage during storage and transportation. (Do not put battery packs in pockets or bags where they can short circuit or can come into contact with sharp or metallic objects.)
- If your LiPo battery is subjected to a shock (such as a helicopter crash) you should place it in a metal container and observe for signs of swelling or heating for at least 30 minutes
- Do not attempt to disassemble or modify or repair a LiPo battery

PREVENT MOISTURE

R/C models are composed of many precision electrical components. It is critical to keep the model and associated equipment away from condensation and other contaminants.

Exposure to water or moisture may cause the model to malfunction resulting in loss of responsiveness, or a crash.

PROPER OPERATION

For the safety purpose, please only use Landbow's spare parts for replacement.

ALWAYS BE AWARE OF THE ROTATING BLADES

When in operation, the main and tail rotor blades will be spinning at high speed. The blades are capable of inflicting serious body injury and damage to the environment

Be cautious of your actions and careful to keep your body and loose clothing away from the blades. Never take your eyes off the model or leave it unattended while it is turned on. Once landed, immediately turn off the model and transmitter.

AVOID FLYING ALONE

Beginners should avoid flying alone whilst learning flight skills. It is advised that an experienced pilot be on hand for guidance.

SAFETY CHECK BEFORE FLYING

CAREFULLY INSPECT BEFORE REAL FLIGHT

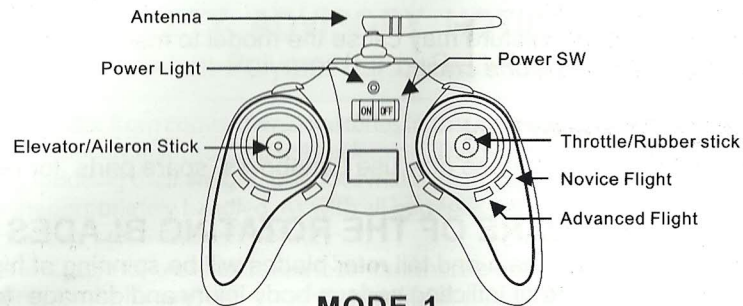
Before operation, please check the batteries of the transmitter and receiver are charged enough for the flight.

Before turning on the transmitter, please check that the throttle stick is in the minimum position.

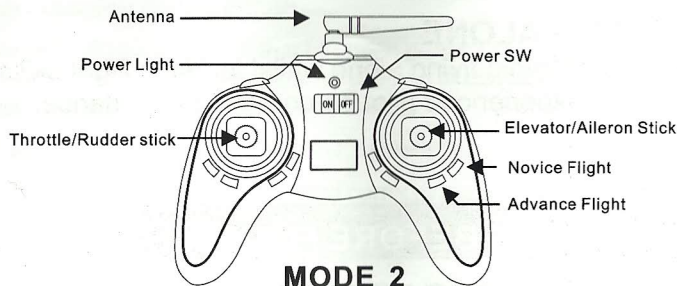
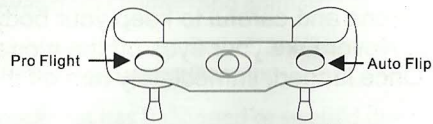
Carefully check rotor blades and rotor holders. Broken or premature failure of parts will result in a dangerous situation.

Check the battery and power plug are securely fastened. Vibration and violent flight may cause the plug to loosen resulting in loss of control.

TRANSMITTER



MODE 1

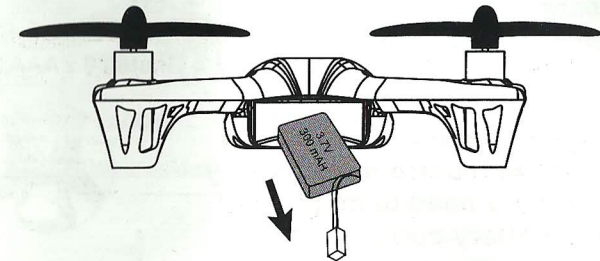


MODE 2

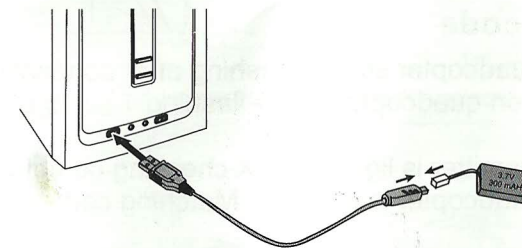
Identification	Function
Throttle/Rudder stick	Forward and backward movement of the stick makes the quadcopter ascend and descend respectively. Left and right movement of the stick will rotate the quadcopter's fuselage left/right respectively.
Elevator/Aileron Stick	Forward and backward movement of the stick makes the quadcopter move forward and backward respectively. Left and right movement of the stick makes the quadcopter drift sideways left/right respectively.
Auto Flip	To make flip under Novice and Advanced flight
Novice flight	20% speed version
Advance flight	60% speed version
Pro flight	100% speed version
Power SW	Pushing left switches on the power transmitter, pushing right switches it off.
Antenna	Transmits wireless signal

Li-Po Battery Charging

The quadcopter equipped with a 3.7V 300 mAH Lipo battery
Take out the battery from bottom of the quadcopter



Connect the battery with USB charger, the LED light is on while charging and turns OFF when charging completed



Safety Advising Notice

Always partially charge your LiPo battery before storage. LiPo batteries retain a charge over a reasonable period; it is not normally necessary to recharge stored LiPo batteries unless stored for periods longer than 3-6 months.

If your LiPo battery has been over-discharged, it will not be possible to recharge it again.



LiPo Battery Disposal & Re-Cycling



Lithium-Polymer (LiPo) batteries must not be placed in with household refuse. Please contact your Local Authority (Council) or the supplier of your model for local regulations and the location of your nearest LiPo battery recycling centre.

TEMPORARY STORAGE of DAMAGED LIPO BATTERIES:

Bury the LiPo battery in a bucket of dry sand or (if discharged) the battery may be neutralized by immersion in a salt water bath.
If in doubt: always seek expert advice!

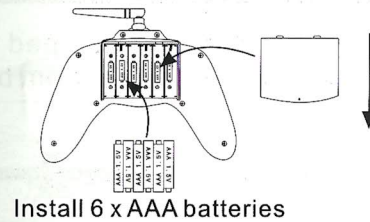
Start to Fly

Push down the battery box

Notice:

Do not mix old and new batteries
Do not mix different types of battery
Do not charge non-rechargeable battery
Make sure to install the battery with correction polarities

Switch on the quadcopter by connecting the battery cables with correction polarity
Make sure the battery need to be pushed to the end of the battery compartment



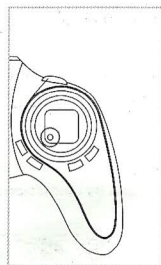
Power on the transmitter

How to match the code

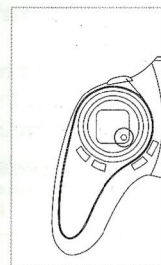
The RED light inside quadcopter start to flashing after connecting battery
The head WHITE light on quadcopter starts flashing 1 second - Gyro checking completed
The power light on transmitter is light up - TX checking completed
The RED light inside quadcopter is light up - Matching code success

Adjusting Auto

We use auto adjusting system when the quadcopter is not a stable flight
Please always keep the throttle stick on the bottom of right hand(mode 2) and the bottom of left hand(mode 1) After 3-5 seconds, the head WHITE light will flashing, it means the auto adjusting completed
Before that, please make sure the quadcopter and the transmitter are both ON power and matching the code correction.



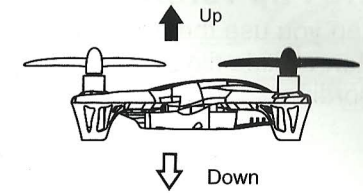
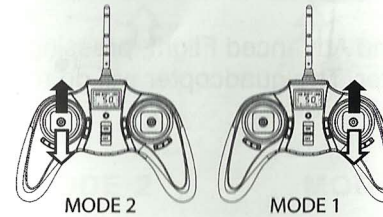
MODE 1



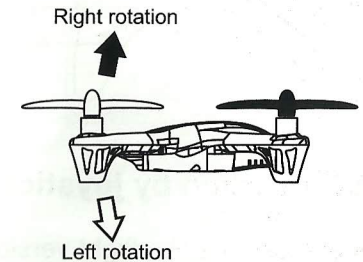
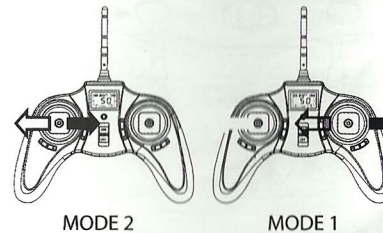
MODE 2

6.2 Effect of Control

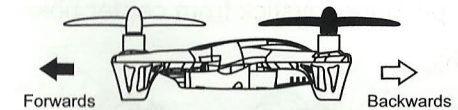
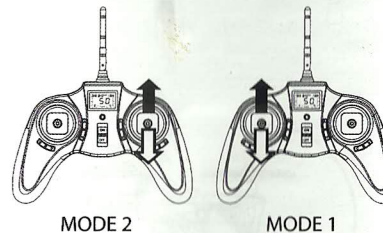
CAUTION: To avoid loss of control: ALWAYS move the controls S-L-O-W-L-Y! Be aware that control inputs will reduce available lift (see 'Helicopter Principles of Flight'). Be ready to use a little extra Throttle to maintain height during maneuvers.



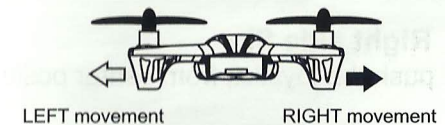
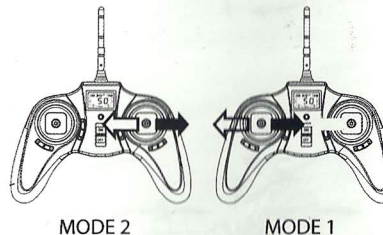
Throttle (Collective Power) increases/decreases the Flying Height your quadcopter



Rudder (Collective Torque Yaw) rotates your quadcopter's fuselage Left / Right



Elevator (Cyclic Pitch) moves your quadcopter Forwards/Backwards



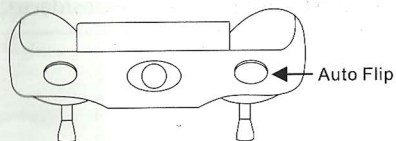
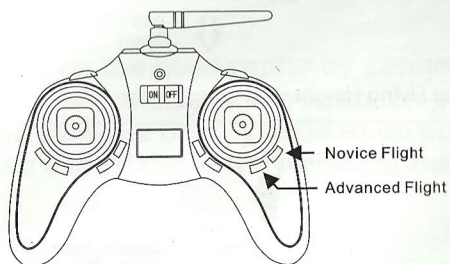
CAUTION: Controls will *appear reversed* when the model is flying towards you !

Aileron (Cyclic Roll) moves your quadcopter 'sideways' Left/Right

Start to flip

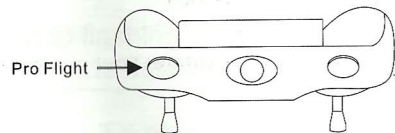
Auto Flip version

When you use the flying version of Novice and Advanced Flight, pressing down button of Auto flip and releasing 1 second later. The quadcopter will do rolling accordingly.



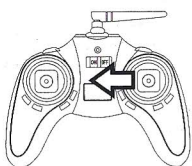
360° evertion by joystick

Please use the Pro flight version

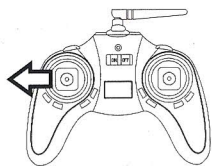


Left side flip

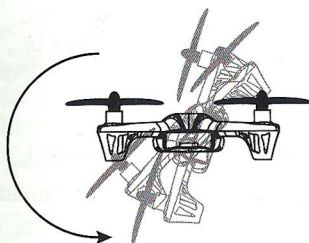
push the joystick from center position to left



MODE 2

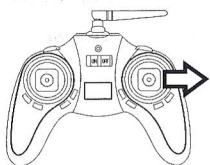


MODE 1

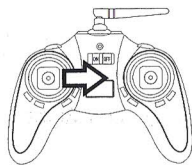


Right side flip

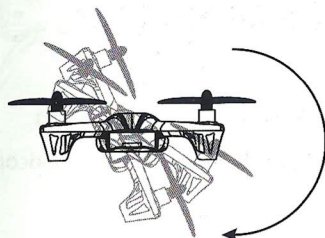
push the joystick from center position to right



MODE 2

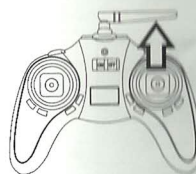


MODE 1

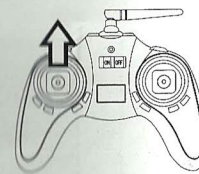


Forward flip

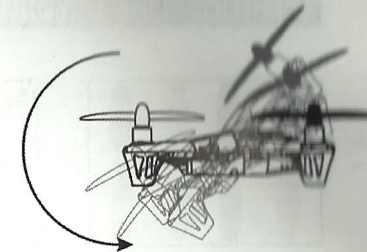
push the joystick from center position to up



MODE 2

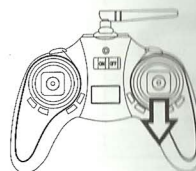


MODE 1

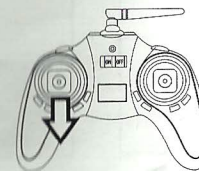


Backward flip

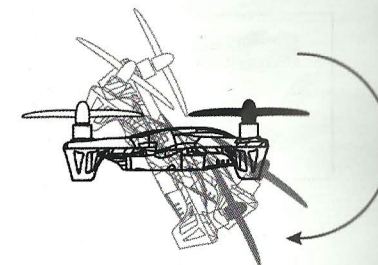
push the joystick from center position to down



MODE 2



MODE 1

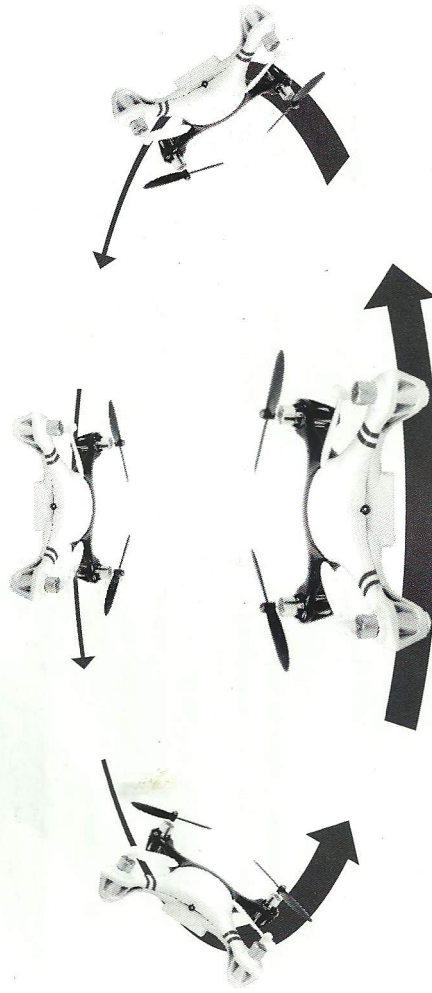


+14
Ages



X-DART

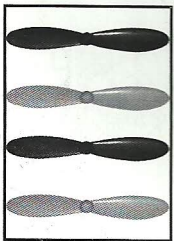
FLYING INDOOR AND OUTDOOR



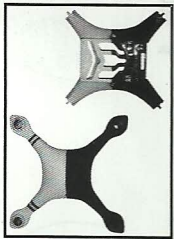
MANUAL

2.4GHZ RC SERIES 4 CHANNEL

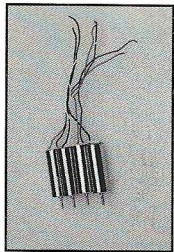
SPARE PART CHART



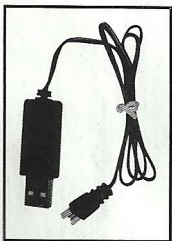
CG018-01
Blades



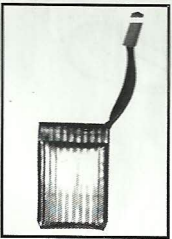
CG018-02
Body Shell



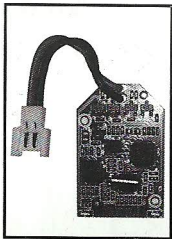
CG018-03
Motor



CG018-04
USB Charger



CG018-05
Battery



CG018-06
RX



CG018-07
Transmitter

