

USER MANUAL

Auto-G2

PLUG AND FLY



TECHNICAL PARAMETER

- **Rotor Diameter (Three rotor blades) :**
821mm (32.33 inch)
- **Battery : Li-po 11.1v 1300mah 20C x 1**
- **Motor : Brushless motor x 1 (KV800)**
- **Length : 795mm (31.3 inch)**
- **Height : 392mm (15.43 inch)**
- **Weight : 680g**
- **Radio : 6 Channel**
- **Servo : 9g x 4**
- **ESC : 20A x 1**

DURAFLY®

PLEASE READ THIS MANUAL CAREFULLY AND FOLLOW THE INSTRUCTION

Thank you for choosing the Auto-G2.
This model is for entry level intermediate and experienced hobby enthusiast. We hope you have a nice time with this wonderful model. Happy flying !

Disclaimer: Do not fly this Airplane at full-throttle for long periods of time.

Note: Please be careful when connecting the Auto-starter to the flight battery, in the case that your radio switch is in the "ON" position it may start automatically and cause damage, we recommend holding the Auto-G2 from the bottom with your hand and then connecting the Auto-starter.

Attention :

- The blades must be pre-rotating before take-off .Either spin the blades by hand, or turn on the auto-starter to gain sufficient Rotor RPM for take-off. It is recommended only to use auto-starter for taking off and landings.

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Auto-G2 SPECIFICATION

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Weight: 680g
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Motor: Brushless motor*1(KV800)
Battery: Li-po 11.1v 1300mah 20C*1

Design Features

- 1 .Stable Flight Performance.
2. Large rotor design makes slow-flight possible.
3. High thrust-to-weight ratio.
4. Strong and impact resistant rotor blades.
- 5.Auto-starter makes taking off easier with rotor pre-rotation.
- 6.Steerable tailwheel makes ground control easier and safer.
7. Easy to assemble.

SAFETY INSTRUCTIONS

- 1- Do not fly in storms, strong winds, bad weather or lightning
- 2-NEVER FLY NEAR POWERLINES, overhead wires, roads, railroads or airports
- 3-Never fly near houses or people! Your Auto-G2 can cause damage to property or injury.
- 4-Do not fly where other models on the same frequency are flying, until you have completed a preflight check of all your controls
- 5-Make sure you do a preflight check- inspect the whole plane and make sure the motor runs smoothly and all your controls work properly. Do this before EVERY FLIGHT!
- 6- Use only genuine Duraflly replacement parts
- 7-Don't try to catch the Auto-G2 during flight- you could be badly injured! Take off from and land on a suitable landing strip.
- 8- Not recommended for children under 12 years old. Children under 14 should operate the model only with a responsible adult.
- 9-The Auto-G2 includes small parts (choking hazards) and sharp edges! Assemble and store your plane out of the reach of children.
- 10-Never install batteries incorrectly- check the polarity (positive and negative) before connecting or installing batteries
- 11- Keep your Auto-G2 out of direct sunlight (unless you're flying it!) and away from heat sources. Foam can distort when it is overheated.
- 12-Fly intelligently-don't fly towards yourself or other people, also avoid structures, cars,trees, animals, or anything else on the ground.

First Flight preparation

- Remove and inspect contents.
- Read this instruction manual thoroughly.
- Install the flight battery in the aircraft (Once it has been fully charged).
- Ensure pushrods move freely.
- Perform the Control Direction Test with the transmitter
- Adjust flight controls and transmitter
- Adjust battery for center of gravity(CG)
- Perform a radio system Range Check
- Find a safe and open area
- Plan flight for flying field conditions

Maintenance After Flying

- Disconnect flight battery from ESC (Required for Safety)
- Turn off transmitter
- Remove flight battery from aircraft
- Recharge flight battery
- Repair or replace all damaged parts
- Store flight battery apart from aircraft and monitor the battery charge
- Make note of flight conditions and flight plan results, planning for future flights

Assembly Instructions

This manual provides simple step by step assembly instructions. However, if this is your flying model, we recommend that you ask a fellow flier for some help putting your Auto-G2 together. They will probably jump at the chance just to get a look at it!

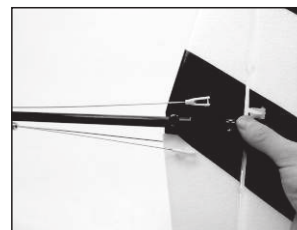
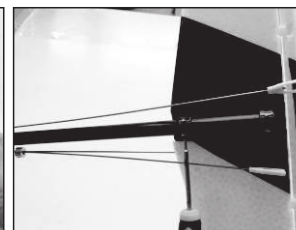
WHAT'S IN THE BOX



Assembly



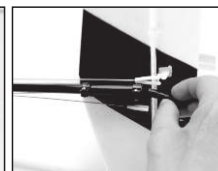
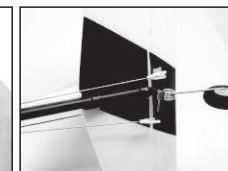
1. Take out the ESC from the fuselage to make it easy to install the landing gear.



2. Install the horizontal wing and tighten the screw on the wing. (As show in the pictures)



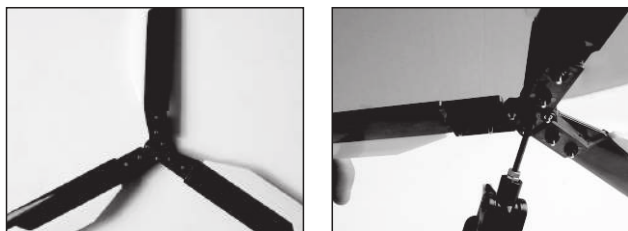
3. Add glue on the corresponding place of the vertical wing, wait a moment and glue the vertical wing on the corresponding place.



4. Apply glue onto the plastic spine of the tailwheel assembly and insert it into the carbon tubing. (As shown in the pictures).



5. Install the propeller, tighten two screws on the motor shaft. Add glue on the spinner, wait a moment and glue it on the plastic spinner base.



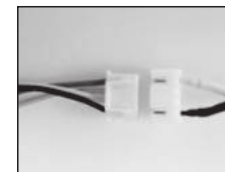
6. Remove the Rotor blade assembly from the box. You will notice that there is already one rotor blade assembled, please ensure that when screwing the other two rotor blades onto the blade holder plate that the plastic spacer's are at the correct angle. The Auto-G2's blade's should have a negative incidence angle, please refer to the first assembled blade for reference.



7. Slide the main rotor head assembly onto the shaft and then tighten the two locking nuts provided. Once you confirm that the nut's are properly fastened, hand-tighten the plastic button head to the top of the shaft.

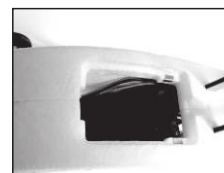


8. Plug your servo wires into the the receiver's appropriate channels. For the Auto-starter system please use any auxillary channel on your receiver to control the ON/OFF function of the Auto-starter, CH.5 or Ch.6 is most common for this application.



9. Connect your flight battery to the ESC. Once the model has power then connect the Auto-starter plug to the balancing lead of your flight battery. Now your Auto-starter is armed and is ready to be controlled by the auxillary channel on your radio.

Attention: When connecting the battery to the auto-starter please make sure that the polarity is correct before connecting, failure to do so will burn the controller board.



Fasten the battery in the right place, then close the battery hatch.



10. Assembly finished.

Center of Gravity (CG)



CHARGING THE LI-PO BATTERY

WARNING- before plugging in the battery, turn on the transmitter and make sure the throttle and the throttle trim are set to OFF (all the way down).
KEEP CLEAR OF THE PROPELLER! (Remember that this is very sharp propeller)

Open the battery hatch cover at the top of the fuselage and install the battery in the forward compartment, which is angled down towards the nose. Install the battery first, and then plug it in.

Make sure that no wires are out of place, and close the battery hatch.

Safety Instruction of li-poly battery

1. Do not disassemble or reconstruct the battery.
2. Do not short-circuit the battery.
3. Do not use or leave the battery near fire, stove or heated place (more than 80°C)
4. Do not immerse the battery in water or sea water, do not get it wet.
5. Do not charge the battery in direct sunlight.
6. Do not impact or toss the battery.
7. Do not use the battery with conspicuous damage or deformation.
8. Do not attempt direct soldering on the battery.
9. Do not reverse charge or over discharge the battery.
10. Do not reverse charge or reverse connect.
11. Do not connect the battery to the ordinary charger socket or car cigarette jack.
12. Do not use the battery for unspecified equipment.
13. Do not touch the leaking battery directly, please wash your skin or clothes with water.
14. **Only use a fully charged battery at the beginning of each flight.**
15. Do not continue charging the battery over the prescribed time.
16. Do not use or keep the battery in direct sunlight.
17. Do not use the battery near a place that generates static electricity.
18. Do not use the battery when the environmental temperature is under 0°C or over 45°C.
19. If you find the battery leaking, smelling or abnormal, stop using it and return it to the seller.
20. Keep the battery away from children.
21. Use the specified charger and observe charging requirement.
22. When used by minors, parents should show them to the correct instruction.

Cautions

Do not over charge or over dis-charge battery.

Attention :

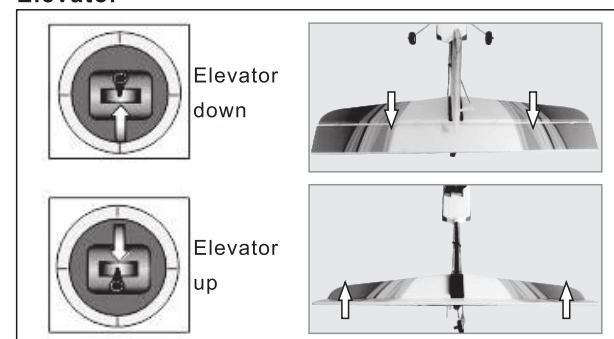
- **The blades must be pre-rotating before take-off, either spin the blades by hand, or turn on the auto-starter to gain sufficient Rotor RPM for take-off. It is recommended only to use auto-starter for taking off and landings.**

CONTROL DIRECTION TEST

You should bind your aircraft and transmitter before doing these tests. Move the controls on the transmitter to make sure aircraft control surfaces are moved correctly.

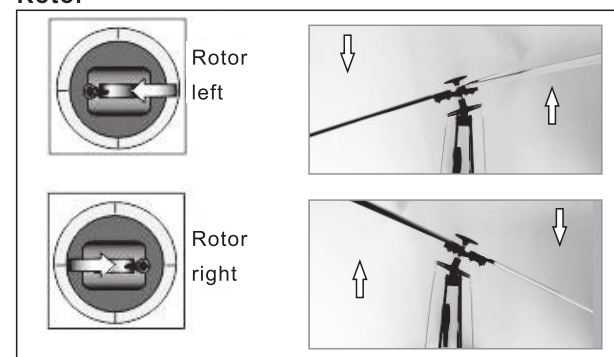
Note: Make sure tail pushrods move freely and that paint or decals are not adhered to them.

Elevator

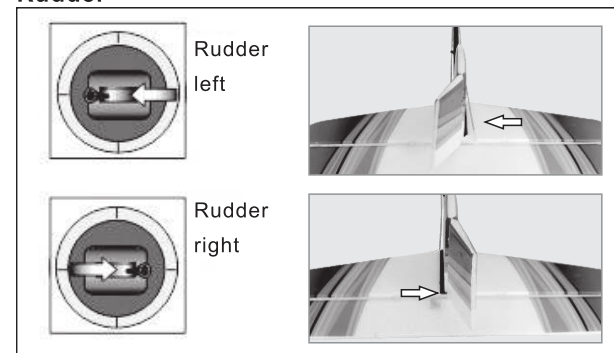


±25°~30°

Rotor



Rudder

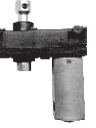


±30°~40°

TROUBLE SHOOTING

Problem	Cause	Solution
Motor does not run	1. Battery is not fully charged. 2. The battery of transmitter is not sufficient 3. Check the wire connection inside the model	1. Charge the batteries. 2. Install a full charged battery 3. Contact the local dealer
No reaction of the control surface	1. The servo cable isn't plugged in correctly 2. The servo is damaged	1. Check the connection of the servo cable 2. Replace the servo
Can not fly straight	1. The rudder is not in the center position of the airframe 2. The main wing is not fixed in the center position of the airframe.	1. Adjust the trim switch on the transmitter 2. Re-assemble the rotor blade.
Can not climb	1. The battery is not fully charged. 2. Elevator is out of trim.	1. Charge the battery 2. Adjust the trim on the Transmitter.
Limited control range	The batteries are almost flat	Install new batteries

REPLACEMENT PARTS

			
Fuselage 310000139-0	Horizontal Stabilizer 310000140-0	Vertical Stabilizer 310000141-0	
			
Spinner 310000099	Tail Boom 310000143-0	Rotor Mast 310000144-0	
			
Blade Grip Assembly 310000102	Rotor Base Assembly 310000103	Main Blade 310000104	
			
Landing Gear 310000105	Steerable Tail Wheel 310000117	Propeller (10x8) 310000107	800kv Motor 310000108
			
Decal Set 310000151-0	Head Button 310000110	Battery Hatch 310000111	Auto Starter set 310000116