

# TWO CHANNEL WATER LAND AIR GLIDER USER MANUAL



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Before entering the remote control world, we must tell you a lot of relevant knowledge and precautions to confirm that you can be more comfortable in the learning process. Before starting operation, please be sure to read this manual carefully. The difference in product appearance does not affect the use of this manual. I believe it will be able to bring you considerable help, please keep this manual properly for future reference.

## 1. INTRODUCTION:

### WARNING LABEL LEGEND

 <b>WARNING</b>	Mishandling due to failure to follow these instructions may result in damage or injury.
 <b>CAUTION</b>	Mishandling due to failure to follow these instructions may result in danger.
 <b>FORBIDDEN</b>	Do not attempt under any circumstances.

### IMPORTANT NOTES

The model airplane is not a toy. It is a miniature model airplane but still has a certain degree of danger. Please follow the safety precautions and operating instructions to use the model correctly, any modification, disassembly or improper use, and unfamiliarity with the product. It may cause unexpected danger or accident, please do not be negligent.

## 2. SAFETY NOTES:

### **CAUTION**

Fly only in safe areas, away from other people. Do not operate R/C aircraft within the vicinity of crowds or people. R/C aircraft are prone to accidents, failures, and responsible for their actions and damage or injury occurred during pilot error, and radio interference. Pilots are responsible for their actions and damage or injury occurred during the operation or as a result of R/C aircraft models.

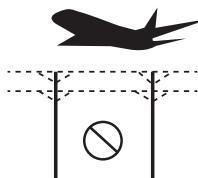
### **PROMPT**

The remote control flight distance of the aircraft in the air should not exceed 180 meters, and the remote control distance on the water surface should not exceed 80 meters to avoid leaving the line of sight and losses caused by signal loss,

### **FORBIDDEN**

**Special design for indoor & outdoor, please keep it away from obstacles**

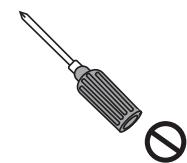
This product is suitable for indoor and outdoor environments (including outdoor wind not greater than 4). When flying model airplanes, please select indoor and outdoor venues with no obstacles. Keep a proper distance from people or pets. Do not use in unsafe environments. Operation, such as heat source, wire, power supply, etc., to avoid the danger of fire, electric shock, etc. caused by helicopter collision, forced landing, and entanglement, causing loss of life and property.



### **FORBIDDEN**

**Do not use the product improperly**

Do not disassemble or refit this product optionally or any upgraded refit or repair. Please use the spare parts as showed to make sure safety. Please use this product within the limitation, and do not use it overload, beyond safety or any decree.





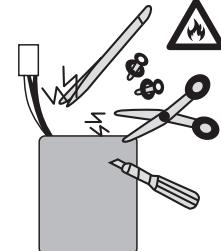
### Safety note for alkaline batteries

Make sure the batteries are installed based on polarity indicated in the case and do not mix batteries of different chemistry/spec. Please take out the batteries if you are not going to use for a long time to avoid potential leakage which may damage the transmitter. Please dispose depleted batteries according to local laws and ordinances. Do not dispose improperly.



### Safety note on li-polymer batteries

Li-Polymer batteries poses higher operational risks compared to other battery chemistry, thus it is imperative to follow its usage instructions. Manufacturer and dealer assume no liability for accidental damages caused by improper usage. Do not use charger other than the factory supplied unit to avoid potential fire and explosion. Do not crush, disassemble, burn, and reverse polarity. Avoid metallic materials to come into contact with battery's polarity and cause it short and never puncture batteries to avoid fire hazards. Battery charging must be done under supervision at all times, and at location out of reach by children. Please stop the use or charge of the battery should there be an unusual increase in battery temperature after use. Continue use of this battery may cause it to expand, deform, explode, or even result in fire hazards. Please dispose depleted batteries according to local laws and ordinances. Do not dispose improperly.



### Keep away from heat

RC models are made of EPP foams or electronic materials, make sure not to store the model near any source of heat such as an oven, or heater. It is best to store the model indoors, in a climate-controlled, room temperature environment.

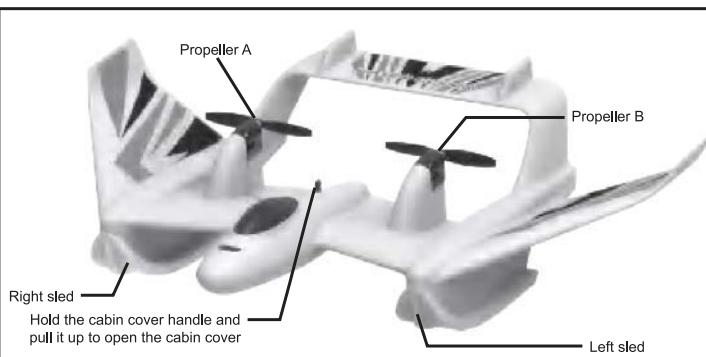


### Obtain the assistance of an experienced pilot

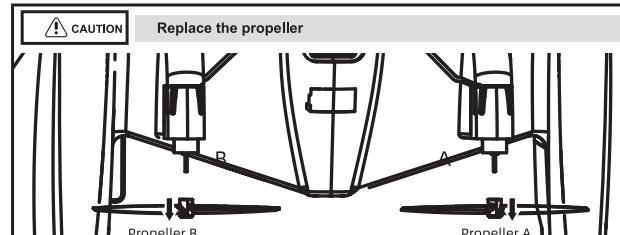
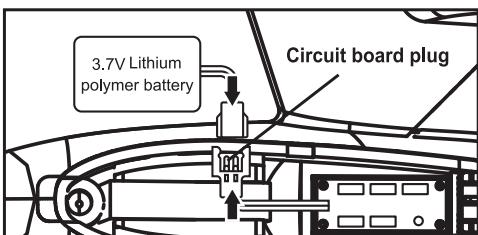
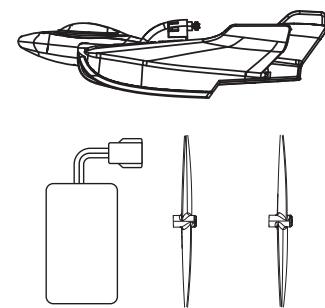
The products are suitable for more than 14 years old age, at the beginning it will have some certain difficulty in learning, suggestion guidance by experienced when playing.



## 3. Names of aircraft parts:



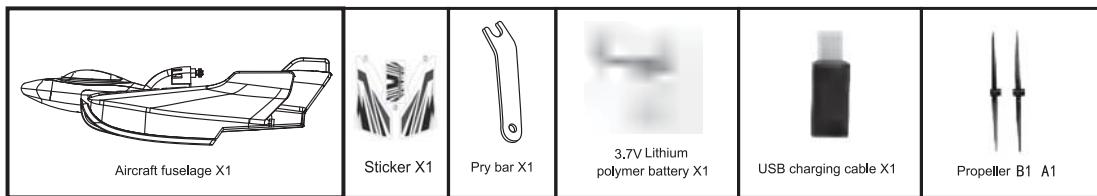
## 4. Aircraft assembly steps:



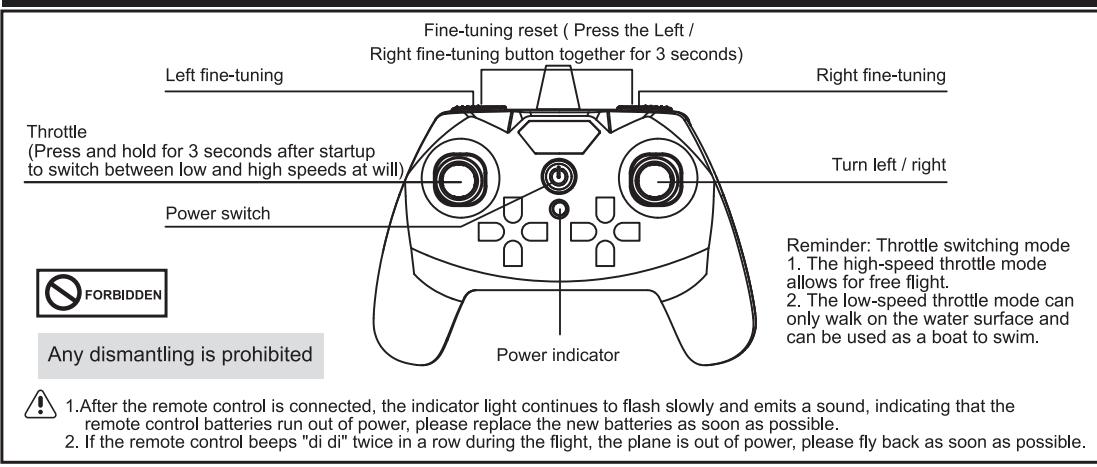
### 4. Connect the battery to the socket of the circuit board according to the diagram

**⚠ Note:** The red line corresponds to the red line, and the black line corresponds to the black line.

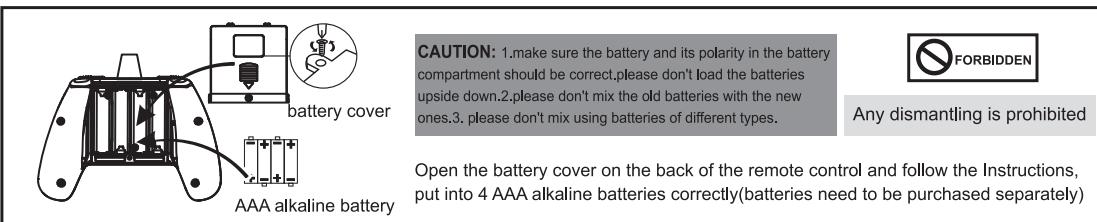
## 5. Standard equipment:



## 6. Remote control:



## 7. Transmitter battery installation:



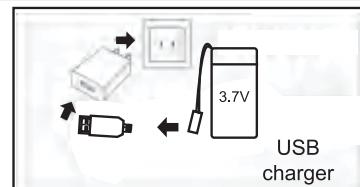
## 8. Lithium battery charging instructions:

### 3.7V battery configuration charging instructions:

Plug the USB charger into the power source, the LED light of the USB charger is always on, when the battery is connected the LED light is off, if fully charged the LED light is on. The charging time is about 90 minutes.

Note: The battery and the USB socket cannot be inserted reversely.

1. Make sure that the voltage and plug of the charger meet your local standards.
2. When charging, if the charging plug is overheated, it means overcharging, which will damage the battery. Cause permanent damage to the battery. Please stop charging immediately.
3. When charging, personnel must not leave.
4. This charging method adopts advanced USB charging method, for safe charging, do not change it casually. Use other chargers to charge the lithium battery to avoid the danger of explosion.
5. When the aircraft has just completed the flight, the battery temperature is high, it is best to wait for about 30 minutes. Charge the lithium battery after the battery cools, otherwise the battery will be damaged.
6. Do not throw the battery into the fire to avoid the danger of explosion.
7. Do not short-circuit the positive and negative poles of the battery, and do not put the battery together with small metal parts to avoid the danger of explosion.

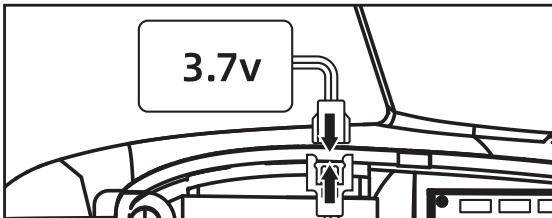


**WARNING**  
If you do not want to play this aircraft. Please disconnect the battery wire from the circuit board.

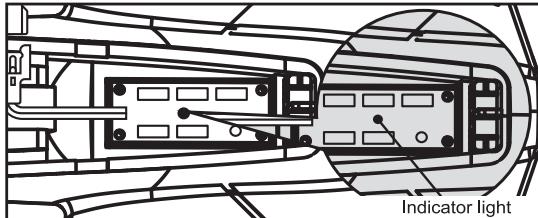
## 9.Battery and charger specification:

Battery type	Battery specification	Flight time	Time required to charge
lithium polymer battery	3.7V high rate lithium battery	Model airplane flight time: about 15 minutes	About 90 minutes (charging current about 0.5A)

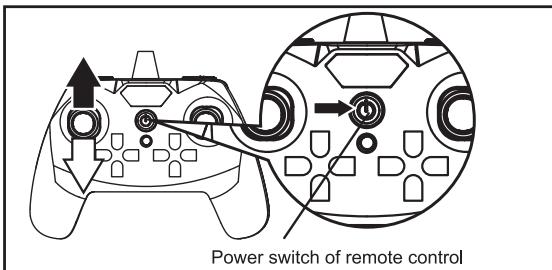
## 10.The frequency of the remote control and the aircraft:



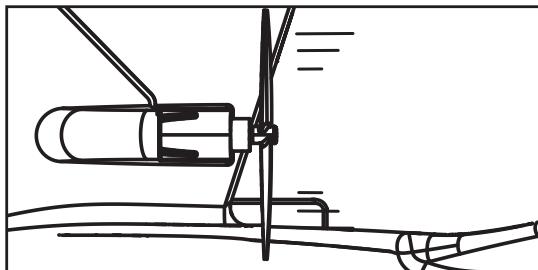
1. Plug in the aircraft battery



2. The aircraft indicator flashes



Power switch of remote control



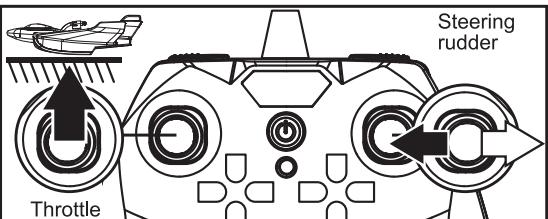
3. Then turn on the remote control, push up the throttle to the top then pull it down to the lowest position, the airplane indicator will be always on, that means frequency matching is completed..

4. After frequency is connected , push the throttle to check if the propellers spin normally, and observe the airplane to make sure it is not deformed obviously .

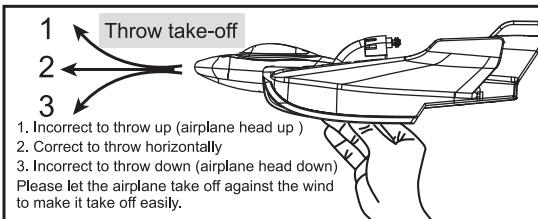
## 11.Flight and landing:

### CAUTION

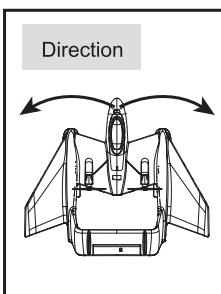
The motor cannot be operated in a locked-rotor condition to avoid burning the motor.



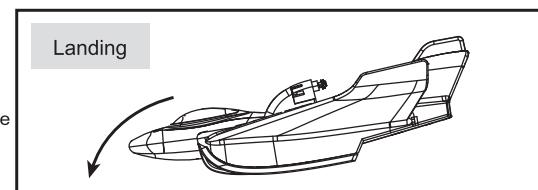
1.After the frequency is connected, put the airplane face to the wind on the flat ground . Push the throttle forward to the top step by step, and the airplane will glide forward then take-off from the ground and fly up to the air, you can adjust the throttle and direction joysticks to control the airplane power and direction after it flies to a certain height .



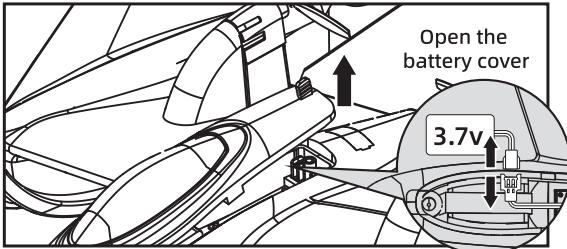
2.Push the throttle forward , the propellers will spin in high speed, then throw the airplane against the wind to take off, adjust the throttle and direction joysticks to control the flight height and direction after take-off .



3.After the airplane flies to a certain height, please adjust the direction joystick by point touch to control the directions, do not push and hold the joystick to one direction to avoid the airplane dropping rapidly by large angle or even causing crash. The airplane flies much faster in downwind flying than in against wind flying ,it will have more resistance when change to fly against the wind, you may need to adjust the direction joystick a few more times until turning it successfully.

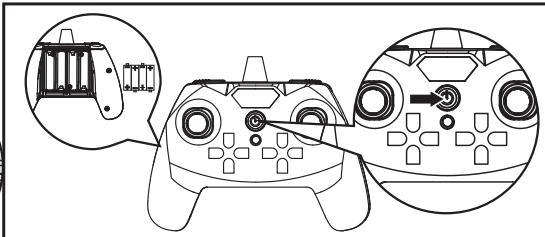


4.If you push the throttle to the top but the airplane does not ascend obviously,it means the airplane battery is not sufficient . You need to land the airplane as soon as possible . Turn the airplane against the wind and land it with adjusting the throttle by point touch softly.



If flight is ended, please remove the model aircraft battery safely. Please develop good habits so as not to cause regret.

**⚠** If the battery is not removed, the battery will be over-discharged and damaged, and even cause Risk of fire and burning.



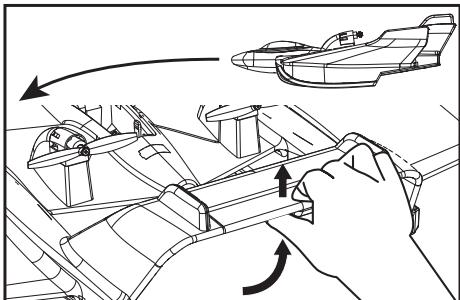
If the battery is not removed, it will cause battery leakage, damage the remote control, and even cause fire.

**⚠** If remote control is not use for a long time, remove the remote control battery and keep it in a safe place.

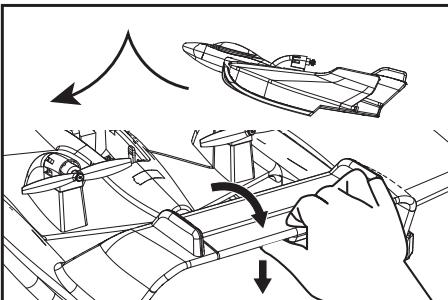
## 12. Airplane adjustment:

Please be proficient in flight simulation before flying

### 1. Head heavy /light adjustment

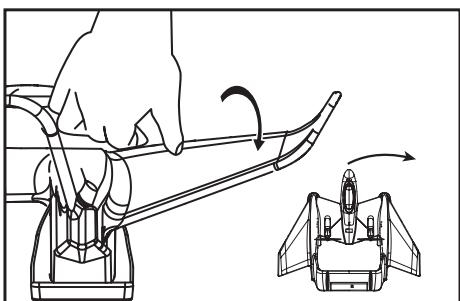


If the airplane head is too heavy while flying, bend the left edge of the horizontal tail upwards.

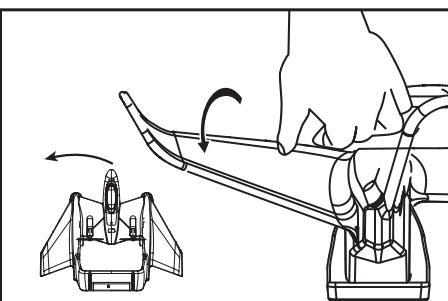


If the airplane head is too light while flying, bend the right edge of the horizontal tail downwards.

### 2. If the airplane can not fly in straightline , adjust it as the below pics after landing .



The aircraft flies to the right, with the right main wing bending backwards and downwards



The aircraft is flying to the left, with the left main wing bending backwards and downwards

Notice: The flying is influenced by wind badly since the airplane flies in the air, please adjust the airplane under the no wind or breeze condition.

Notice: This airplane is built-in gyroscope, it can adjust the left-right stability and straightline while flying. But if the airplane is deformed over some range, the gyroscope can not do adjustments automatically ,it needs manual adjustments to make it zygomorphic .

#### Beginner flight adjustment and notice

·Check whether the batteries of remote control and airplane are sufficient .

Please fly it indoors and outdoors with an open space and without people and obstacles.