

Nine Eagles™

Sky Eagle

NE R/C 770B Sky Eagle Three channel

Instruction Manual



NOTHING FLIES LIKE NINE EAGLES

■ 770B1113

User Handbook

Congratulations on becoming a Nine Eagles™ airplane pilot!

To ensure safe use, please read this manual thoroughly before flying the helicopter. If you have never flown an RC Helicopter before, The Free Spirit Micro and Solo are your best choice!

Catalogue

Introduction.....	2
FCC INFORMATION.....	2
Warning	3
LiPo Battery Safety Guidelines	3
Specification.....	5
Product List	6
Instruction for assembling the airplane	7
Battery Mounting, Charging and Maintenance	8
Transmitter Control Identification	8
Preparation before fly	11
Fly practice	14
Flying field	14
Notify Items	15
Miscellaneous	15

Introduction

Shanghai Nine Eagles Electronic Technology Co. Ltd's product NE R/C 770B Sky Eagle Three channel airplane is specially designed for beginners as a training airplane.

The airplane has adopted the exclusive protective device for the propeller. With the high strength EPP material for body, the plane will be intact even when it crashed. This is very suitable for the beginners to practice their skill.

There is built-in checkout system for low voltage protection. With MCU technology to check the voltage of the lithium battery, the low-voltage protection function will be activated when the voltage is lower than $6.4V \pm 0.2V$. However, the rudder still functions to allow the airplane to land safely by the player. The MCU low voltage protection function can be deactivated by pushing the throttle back to Zero. The airplane can be operated by pushing the throttle again.

FCC INFORMATION

Caution :

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Compliance statement:

1: This device is verified to comply with Part 15 of the FCC Rules.

Operation subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

2: 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.

Warning

NE R/C 770B Sky Eagle is not a toy. Children under 14 years old are strictly forbidden from flying this airplane.

You must fly this airplane safely.

When flying or preparing the airplane for flight you should strictly adhere to the instructions. Ensure that yours and other people's hands, and face are kept away from the rotating parts.

Always use the airplane outdoor areas that are free of wind. Never fly close to or above others.

Always unplug the helicopter battery before turning off the transmitter when the helicopter is stopped.

LiPo Battery Safety Guidelines

Airplane uses a lithium polymer battery. Always adhere to operating instructions for the lithium polymer battery to avoid accidents such as combustion or explosion.

Always use a genuine Nine Eagles™ charger and power adaptor designed for this airplane.

Always unplug the charger and adapter from the electrical outlet after completion of each charge.

Never overcharge the battery, avoid use in direct sunlight or near fire. Ensure the battery is kept dry.

Never store or transport the battery with metal objects.

Never disassemble the battery.

Never use wet hands when in contact with the charger, battery or power adaptor.

When you fly the airplane, keep distance from other electrical equipment, magnetic objects, wireless devices, etc, to avoid interference and accidents.



Lithium Polymer batteries are significantly more volatile than alkaline or NiCd/NiMH batteries used in RC applications. All manufacturer's instructions and warnings must be followed closely. Mishandling of LiPo batteries can result in fire. Always follow the manufacturer's instructions when disposing of Lithium Polymer batteries.

If you are unsure of how to charge the battery included with this product, please seek the advice of your local hobby shop.

Charging and discharging the batteries has the potential for fire, serious injury to persons and damage to property. The user of this battery agrees to accept responsibility for all such risks. Nine Eagles™, its affiliates, distributors, and retail partners can not control the use, application, charging or installation of this product and shall not be held responsible for any accident, injury to persons, or damage to property resulting from the use of this product. Read all safety guidelines, charging instructions, and battery disposal instructions before using batteries. Store battery packs out of the reach of children and pets. Children under the age of 18 must be supervised by a responsible adult. Children under 14 years of age should not be permitted to use this product under any circumstances. This product contains chemicals known to the State of California to cause Cancer, Birth Defects and other Reproductive Harm.

LI-PO BATTERY WARRANTY

This product is warranted against defects in original material and workmanship only. No term warranty is offered with this product. In no case shall Nine Eagles™ liability be greater than the actual retail purchase price of this product.

SPECIFIC SAFETY GUIDELINES

1. Store in a fire proof container and charge on an open fire proof surface.
2. Charge in a protected area devoid of combustibles. Never leave the charging process unattended.

3. In the event of damage carefully remove the battery to a safe place to observe for at least half an hour. Damaged batteries are likely to explode. Never attempt to charge a damaged battery, no matter how slight the damage. Dispose of damaged

batteries as the instructions below.

4. Only use the Nine Eagles balanced charger designed for this battery.

Never use

chargers designed for Ni-CD batteries. If the batteries show any sign of swelling, remove them to a safe place outside as they could erupt into flames.

5. MOST IMPORTANT – Never plug in a battery and leave to charge overnight. Serious fires have resulted from this practice.

6. Do not attempt to make your own battery packs from individual cells.

If the battery pack involved in a crash or is otherwise damaged

1. Remove the pack from the model.

2. Inspect the pack for damage to the wiring or connections

3. If necessary, disassemble the pack and dispose of any damaged cells

Disposal of Li-PO batteries

1. Put the pack in a safe open area and connect a moderate resistance across the cell terminals until the cell is completely discharged.

CAUTION: The pack may get extremely hot during the discharge

2. Puncture the plastic envelope and immerse in salt water for several hours.

3. Place in your regular rubbish bin.

Specification

Model No:	NE R/C 770B
Wing span:	500mm
Overall Length:	396mm
Flying weight:	65g
Power System:	N50 Motor
Battery:	7.4V 180mAh Li-Po
height:	131mm

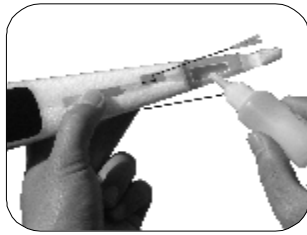
Product List

Description	QTY
Sky Eagle Airplane	1
Transmitter	1
Power Adapter	1
Li-Po Battery	1
Charger	1

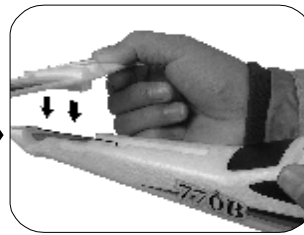


Instruction for assembling the airplane

1. Apply the glue around the slot on the tail (See figure A) before fitting the horizontal empennage on the tail slot. Make sure the empennage is in line with the body (See figure B)

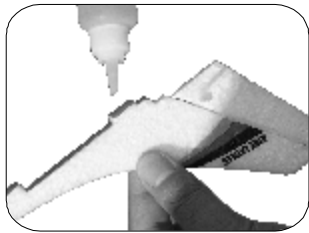


(A)

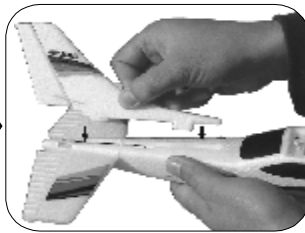


(B)

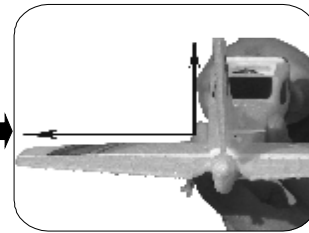
2. Apply the glue on vertical empennage (See figure C) before fit it on the slot on the tail (See figure D). The vertical empennage must be in right angle with horizontal empennage (See figure E).



(C)

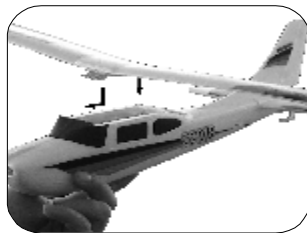


(D)



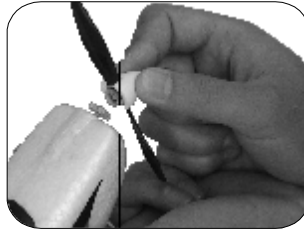
(E)

3. Fit the wing on the top of the plane body. Make sure the wing exactly at the center of the body. The wing is fixed by pins at the front and by screw at the back (See figure F)



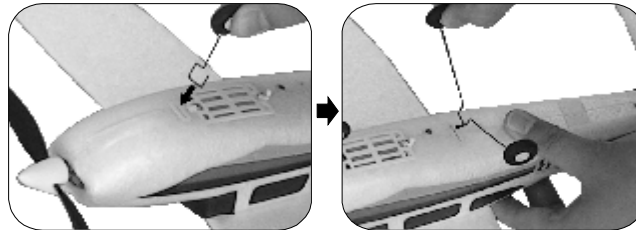
(Figure F)

4. Fit the propeller in the propeller protector. (See Figure G)



(Figure G)

5. Fit the landing gear A onto the slot A on the body and landing gear B on the slot B



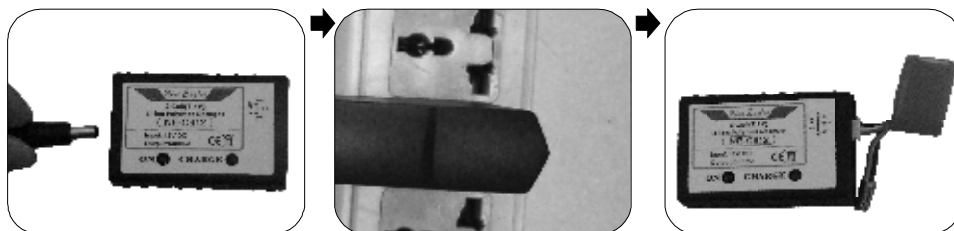
Battery Mounting, Charging and Maintenance

1. Battery Recharging

The use Nine Eagles Li-PO battery to fly your recommended. This Li-PO battery will deliver the best flight performance and flight time, as it is designed for helicopter.

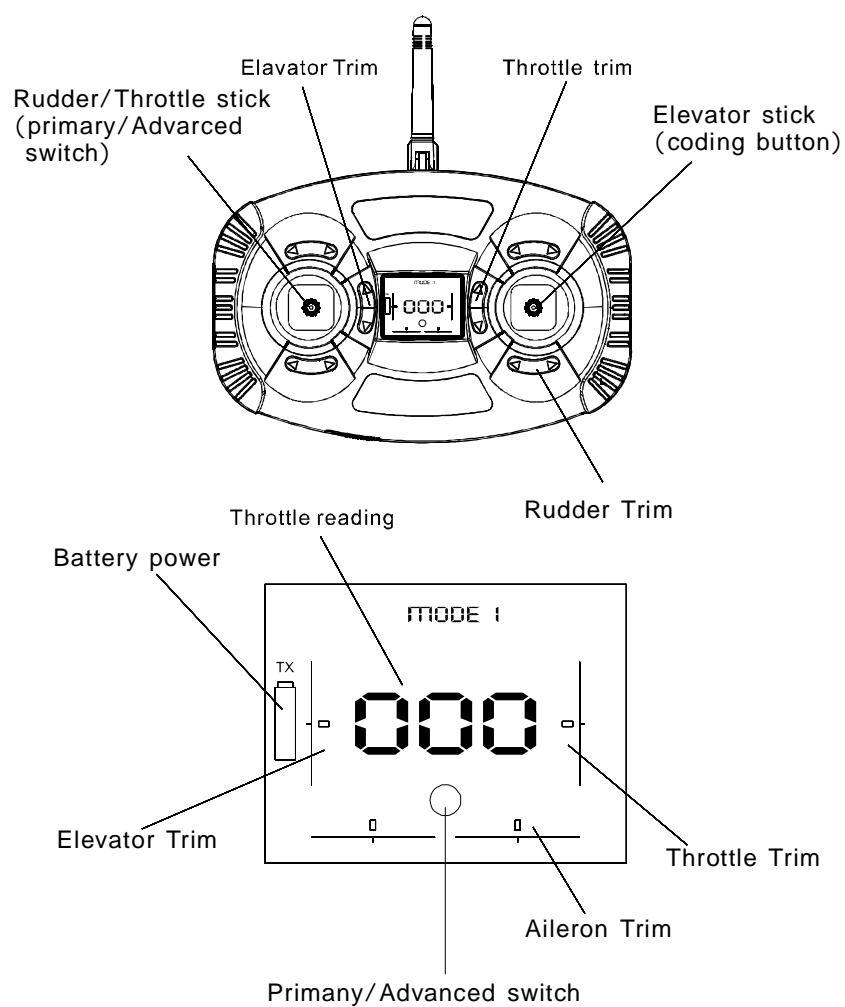
Please read on the battery. To charge the battery:

- 1) Insert the adapter into the Nine Eagles Balanced Charger (step 1).
- 2) Plug the adapter into the power outlet (step 2).
- 3) Insert the 3 lead connector on the Li-PO Battery into the balanced Charger (step 3).
- 4) The red light indicates power on. When the green light flashes, it is charging. When the green light is on permanently, charging is complete and the battery should be removed from the charger at this point.
- 5) In order to charge safely and fast, please use only Nine Eagles.
- 6) Please observe the battery when charging.
- 7) Please keep the battery away from sources of heat at all times. Do not cover the charger or battery. Always keep them ventilated.
- 8) Ensure charging is a fire proof location.
- 9) Always unplug the charger and power adaptor from the electrical outlet after completion of each charge.

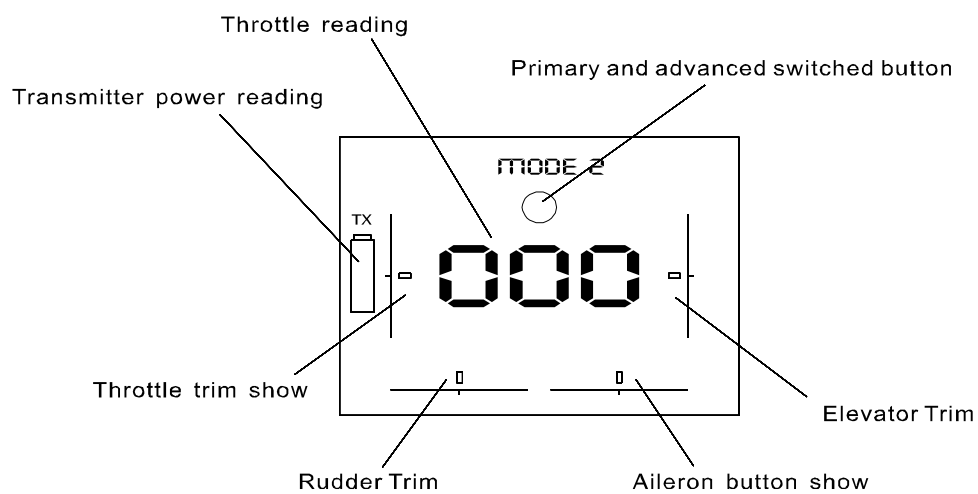
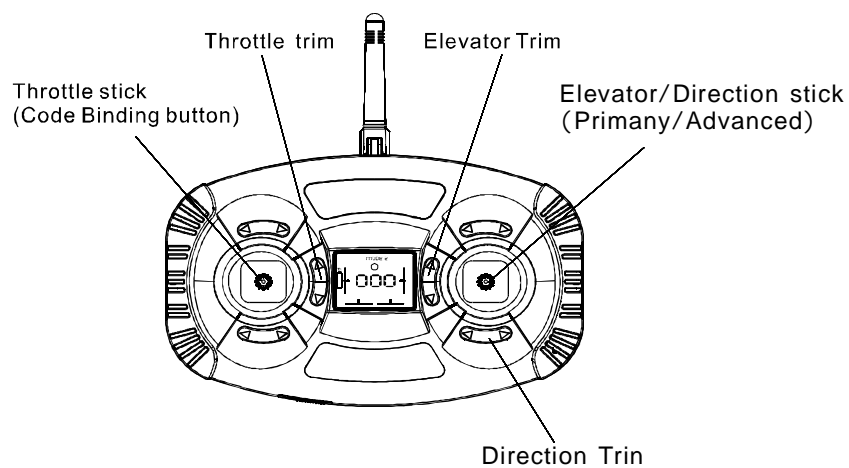


Transmitter Control Identification

model



mode2



Preparation before fly

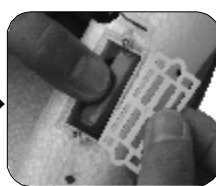
1. Take off the battery box cover of remote controller
2. Install 4 pieces of AA batteries
3. Turn on the power, check if LCD screen has readings:
4. Open the battery box cover of the airplane (See figure A). Connect the two plugs of the battery together (See figure B). Put the battery in the box (See figure C). Close the box with cover (See figure D)



(Figure A)



(Figure B)

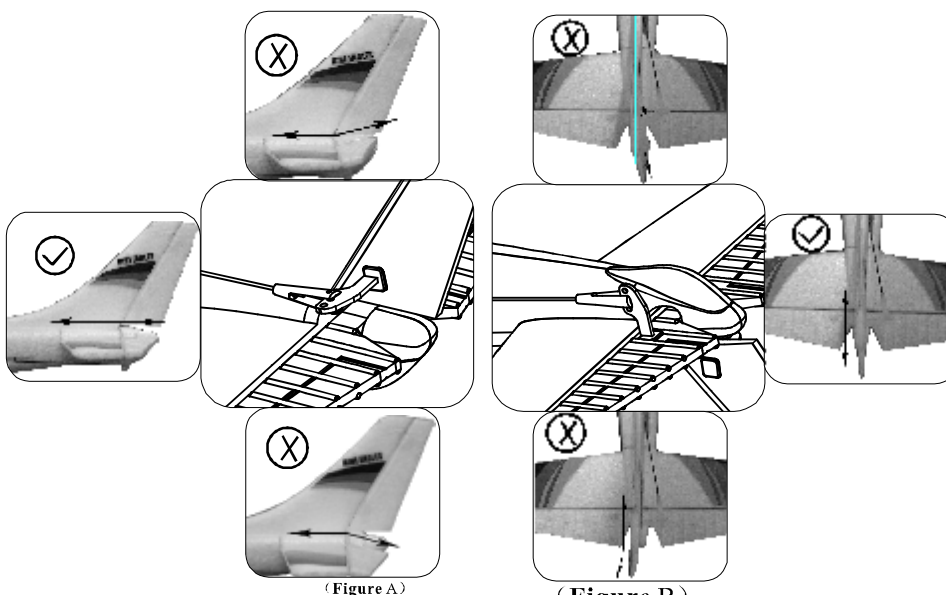


(Figure C)



(Figure D)

5. After the airplane is turned on, adjust the position of coupling on the wire of the horizontal empennage. This can align the aileron of horizontal empennage with the horizontal empennage. The vertical tail wing can be aligned with its aileron by adjusting the position of coupling on the wire of the horizontal empennage



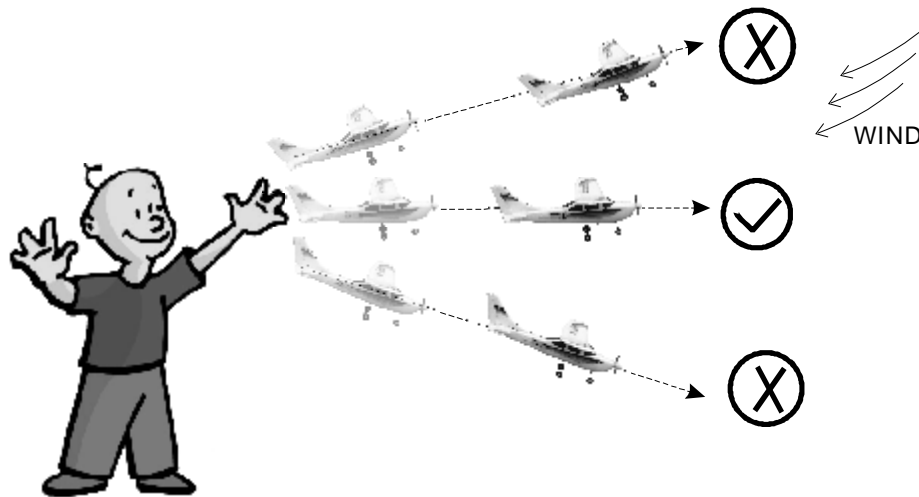
(Figure A)

(Figure B)

Pre-flight check

Make sure all trim buttons are in the middle position, and the throttle stick is at its lowest position before fly.

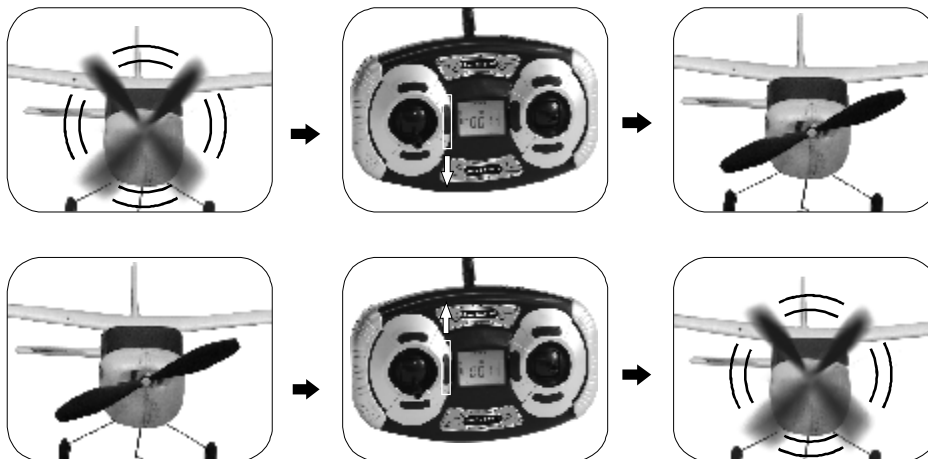
Make sure airplane is in a horizontal path against wind before casting



Throttle trimming

MODE 2

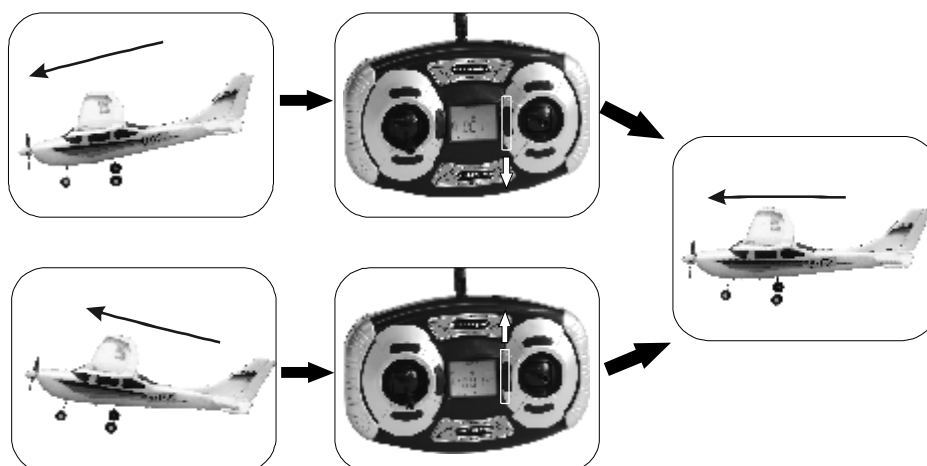
If the propeller runs when no throttle stick input is given, or it doesn't run when the throttle stick input is given, an adjustment for the throttle trim system is required. Push the propeller throttle stick downwards until the propeller stops when the propeller runs without throttle stick input.



Rudder trimming

MODE 2

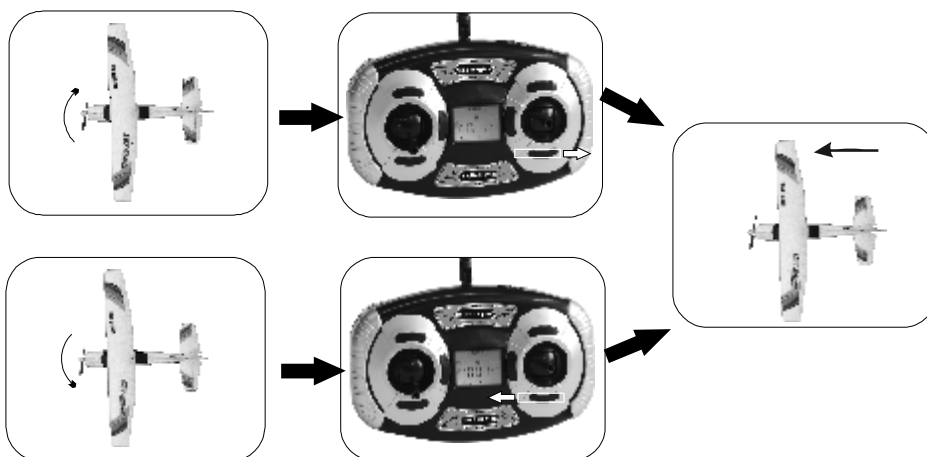
When the airplane tilts upwards and downwards during fly, an adjustment of rudder is required. If the airplane tilts downwards, push the trim button downwards until it doesn't tilt. If the airplane tilts upwards, push the trim button upwards until it doesn't tilt.





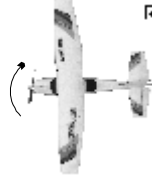





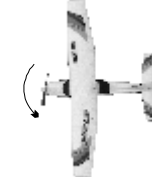



Aileron trimming

MODE 2

If the airplane makes left turn or right turn even when such order is given, an adjustment of aileron is required. Push the aileron trim button to the right if the airplane turns left until it flies forwards. Push the aileron trim button to the left if the airplane turns right until it flies forwards.



Mode 2		
Throttle	Elevator	Rudder
 Acceleration 	 up 	 Right movement 
 Decelerate 	 down 	 Left movement 

Flying field

The flying field selected must be suitable for flying. No obstacles are allowed when flying the plane in the room. The plane must be flid in open area. Please keep the airplane away from trees, electrical cables and other obstacles. Flying over the people is prohibited.

Fly practice

Turn onthe transmitter in accordance with manual. Turn on the power of the airplane. After the airplane is adjusted, check the servo before fly.

1. Check the wind direction before fly. The airplane is supposed to take off or land towards the wind.
2. Push the throttle stick and throw the airplane horizontally.
3. Adjust the throttle and direction stick to fly the airplane stably. The beginner is not supposed to fly the airplane either too high or too far. If the airplane doesn't fly stably, an adjustment for the airplane is required before flying it

4. The beginner shall use the controllers gently. Suddenly flying the airplane up or down is not allowed.

5. The airplane shall be placed on the flat ground and in the proper direction before taking off from ground. Accelerate the airplane in a straight line by increase the throttle stick input.

6. In order to learn the flying skill better, it is suggested that the beginner shall use the small rudder to manipulate the airplane. The players can turn to big rudder when they become more skilled after enough training.

Notify Items

1). Please stop flying when you feel the battery is running low. This is indicated by poor response from the airplane .

2). Always unplug the airplane battery immediately and then turn off the transmitter when you are finished flying.

3). when the airplane has crash some objection ,please loose the throttle ASAP to avoid some damage (please check the spare parts ASAP when the crash happened. You can purchase the spare parts from the Nine eagles local distributor when you change the broken spare parts).

4). If you do not use the airplane for a long time ,please keep 50% power of the Li-PO Battery ,and take the batteries out of the transmitter.

Miscellaneous

Repairs and Maintenance

A wide range of genuine Nine Eagles™ parts and accessories are available from your local Nine Eagles supplier. Please review the enclosed Parts List Brochure to see what is available.

Clubs and Associations

Nine Eagles™ supports the model flying community around the world. We encourage you to meet new friends and learn to fly through your local club or association. Contact them through your local Hobby Retailer.

Troubleshooting

For the latest troubleshooting advice, please contact your local hobby store

Feedback

If you have any suggestions for modifications or future designs, we would like to hear from you. Please free to contact us at sales@nineeagle.com

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