

小神龍
DRAGONFLY

R/C HELICOPTER INSTRUCTION MANUAL



● SPECIAL SAFEGUARD

IF THE TRANSMITTER IS POWER-OFF OR OUT OF CONTROL ABRUPTLY DURING THE FLIGHT, THE HELICOPTER WILL PROTECT ITSELF AUTOMATICALLY AND LAND SMOOTHLY, WHICH WOULD REDUCE THE LOSS GREATLY.

● SPECIAL SWITCH SETUP

YOU CAN SWITCH ON/OFF THE TRANSMITTER FIRST OR THE HELICOPTER FIRST, BOTH ARE DOABLE NO WORRY OF DAMAGE TO HUMAN FOR DISORDER.

TABLE OF CONTENTS

①	PRODUCT EXPLANATION
②	INSPECTION (FIRST)
③	INSPECTION (SECOND)
④	FLYING CONTROLLED ILLUSTRATION
⑤	FLYING PRACTICE(FIRST)
⑥	FLYING PRACTICE(SECOND)
⑦	COMPONENT
⑧	ACCESSORY

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1

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INTRODUCTION OF THE ELECTRIC REMOTE CONTROL MINI-HELICOPTER

Electric remote control mini-helicopter is composed of two major mechanical structures (the airframe, drive motor, linkages, main rotary wing, etc.), electronic equipments (the receiver, servo, electronic mixer, gyroscope, and remote control transmitter). Like modern helicopters, it can ascend, descend, hover, yaw to the left and right, go forward and backward. Especially, the considerable arrangement of the two sets of main/tail rotary wings allow you to operate handily, and enable you to realize your flying dream.

HELICOPTER	TRANSMITTER
Diameter of main rotary wing: 510mm	Number of channels: 4(4CH)
Length of airframe: 470mm	HF modulation model: FM
Maximum weight: 350g	Working voltage: 9.6-12V
Main motor: Type-370	Working current: about 180mA
Tail motor: Type-N30	Antenna length: 945mm

⚠ CHARGING AND PRECAUTIONS

1. Charge the nickel hydrogen battery for about 2 hours before flying. If the battery is over-charged, it may be overheated and damaged.
2. When the helicopter model stops flying, store the battery after discharging the battery to low electricity. Recharge it until you are to operate it again.

⚠ WARNING!

1. This helicopter is not a toy. The purchaser of this product acknowledges and understands that they alone assume all risk and liability for personal or property damage and/or injury resulting from the buyer's use of this product!
2. When assembling helicopter, you must strictly follow the instructions manual. Be sure your finger and head are far away from the rotation part. Otherwise, helicopter will be damaged or injury yourself!
3. Do not fly the helicopter in rainstorm day or near high-tension electric wires.
4. Consumers have responsibility for correctly use and handle this product. We, and our dealer take no responsibility for any loss and damage by misuse and mis-handling!



2

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CHECKING-UP AND DEBUGGING

Electronic remote control helicopter is a finished product. The product was strictly tested and debugged before leaving factory, but inspections and adjustments are necessary before flying to guarantee a stable flight.

CHECKING-UP OF HELICOPTER

Check up whether the fixing screws on the main rotary wing's blades are too tight or too loose. Either of the above situations may cause the helicopter to jolt and the flight unstable.

The rotating blade should remain at the center under centrifugal force, and the track of left blade and right one should be balanceable while rotating, otherwise, adjust it.

Check up whether the left balance wing and the right one is even stable or not.

Place the batteries to the battery board, tie it up to the bottom of the battery board with a rubber band and make sure the batteries are tightly fixed.

The adjustment and usage of the radio remote control system: If it is the first time you have touched this kind of remote control model, it is recommended that you practice on computer simulator to form correct operation habits and conditioned response before your formal test flying. Following the advice and you will get twice the result with half the effort. If you have experiences in operating other models, practices on computer simulator will make you handy in the operation.

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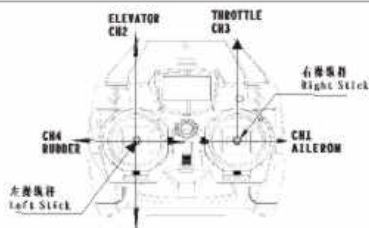
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Please adjust the helicopter by the following steps to ensure the reliability of the flight before you formally fly the helicopter.(Take Type-B receiver as an example):

Step 1:

Place the helicopter on smooth ground,switch on the power,the LED of the receiver start to flash.Draw out the antenna of the transmitter to full length, adjust the throttle stick to the lowest place,switch on the transmitter,you'll see the LED flash fast.The circuit of electron gyro is doning self-regulation; When the LED flash slowly(the speed of flash is a little fast than that of no signal),it indicates the receiver receive correct signal.

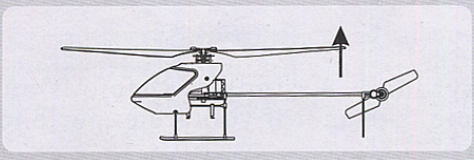
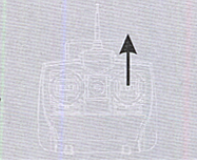
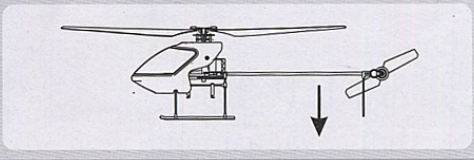
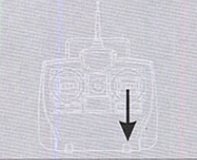
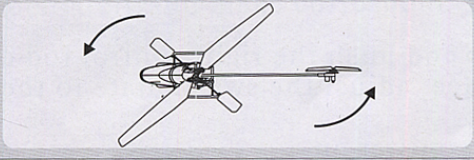
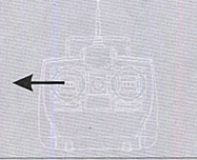
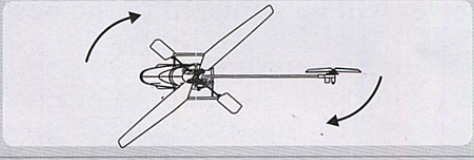
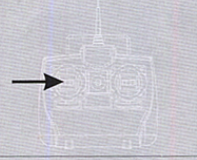
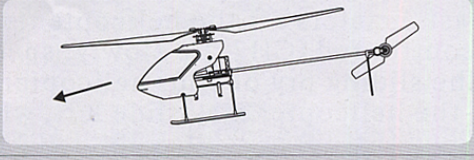

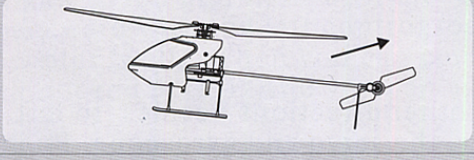
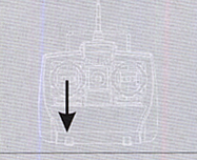
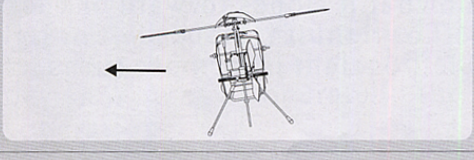
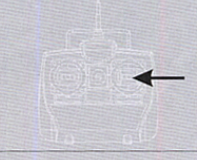
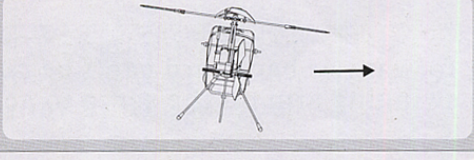
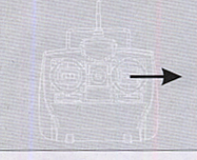


Right throttle stick is in the lowest place at first, pls move all throttle stick in the neutral place.

Step 2:

Push the left control rod (CH2) up and down and the right one (CH1) left and right to check the operation condition of the slanting tray. Check up whether the slanting tray stays horizontally when the left and right control rods are on the center. Push the right control rod (CH3) up and the main rotary wing will begin to rotate, and then the tail rotary wing rotate. Push the left control rod (CH4) left and right and see if the nose will turn left and right. If not, change the setting of the transmitter to change the rotating direction. Push the right control rod (CH3) back to the lowest place, and this is the end of the inspection.

FLYING-CONTROLLED EXPLANATION

ASCENDING			Push right throttle stick up
DESCENDING			Push right throttle stick down
HEAD TURN LEFT			Push left throttle stick left
HEAD TURN RIGHT			Push left throttle stick right
HEAD DOWN AND GO AHEAD			Push left throttle stick up
HEAD UP AND REVERSE			Push left throttle stick down
BODY TURN LEFT			Push right throttle stick left
BODY TURN RIGHT			Push right throttle stick right