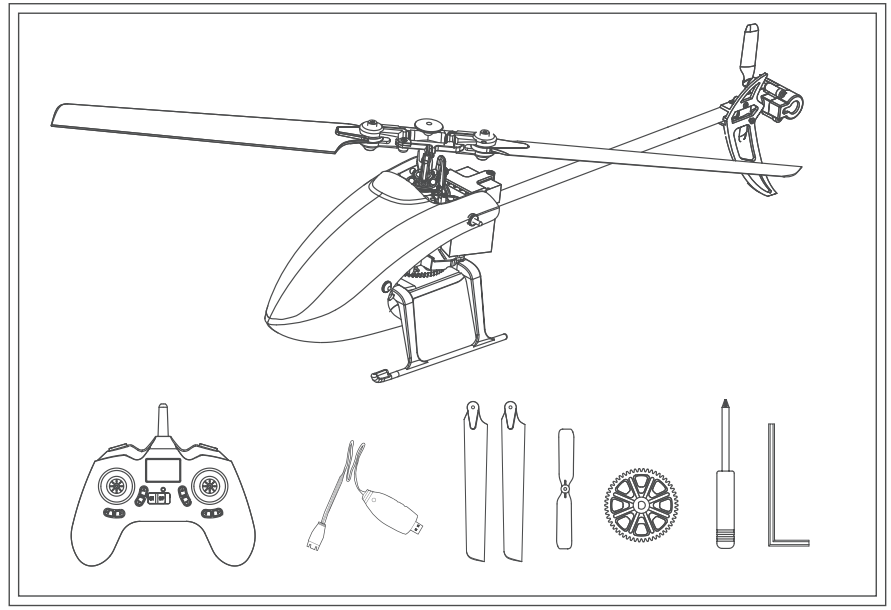
ENGLISH



ITEM LIST

NO.	PARTS	QUANTITY
1	PVC packaging	1
2	User Manual	1
3	Helicopter	1
4	Transmitter	1
5	Charger	1
6	Battery 7.4v 700mah 20C	1
7	Cross Screwdriver/Hex Wrench	1
8	Main Propellerl Tail Propeller	1Set

NOTICE

All instructions, warranties and other collateral documents are subject to change at the sole discretion of our company. For up-to-date product literature, please visit www.eachine.com

WARNING

Read the ENTIRE user manual to become familiar with the features of the product before operating. Failure to operate the product correctly can result in damage to the product, personal property and cause serious injury. This is a sophisticated hobby product. It must be operated with caution and common sense and requires some basicmechanical ability. Failure to operate this product in a safe and responsible manner could result in injury or damage to the product or other properties. This product is not intended for use by children without direct adult supervision. This manual contains instructions for safety, operation and maintenance. It is essential to read and follow all the instructions and warnings in the manual, prior to assembly, setup oruse, in order to operate correctly and avoid damage or serious injury.

ADDITIONALSAFETY PRECAUTIONS AND WARNINGS

1. Age Recommendation: Not for children under 14 years.This is not a toy.
2. Always operate your model in open spaces away from full-size vehicles, traffic and people.
3. Follow the operation notice,warning and any support equipment(charger, battery, etc) carefully.
4. Keep away from any chemicals; keep children away from any small parts and electrical equipment.
5. Always keep away from water,especially for this product don't have waterproof function; It will be damaged by moisture.
6. Neverplace any portion of the model in your mouth as it could cause serious injury or even death.
7. Never operate your model with low voltage transmitter batteries.

INTRODUCTION

This is a super classic helicopter with excellent flight performance. Flybarless desig decrease resistance of rotor head.Quote to aerodynamics, the blades can supply strong power and keep stability. Using new type gyro, compatible with 3D and 6G modes. You can make a variety of stunts by 3D mode;6G mode is suitable for beginners especially.

After flying this mini helicopter, you will find other mini helicopters which you have flying are eclipsed,This is a incomparable and popularization helicopter. Beginners will find it is easy to fly, masters will find it is interesting. It is worth to be possessed.

This manual with detailed instruction ,will help you learn more about the product. Please read it before your flying.

TABLE OF CONTENTS

HELICOPTER PARAMETERS

Length	345 MM
Height	108 MM
Weight	131g
Length of Main Propeller	320MM
Landing gear width	62MM
Battery Specification	7.4v 700mah 20C
Flight Time	15–20 Min
Main Brushless Motor	050
Brushless Tail Motor	8520

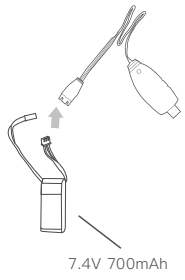
WARNING AND THE GUIDE OF BATTERY USAGE

To ensure safety, please use the icluded standard charger

WARNING: It is recommended to use the original power supply charger whencharging, otherwise property damage and injury will occur.

Notice: When it is lower than 7.4V, the lithium battery may be damaged, or itmay no longer be charged. When the battery voltage is lower than 7.4V when the aircraft is flying, the power of the aircraft drops significantly.Please immediately land and charge the battery in time.

BATTERY CHARGING



1. The user should connect to the power adapter with a USB port or connect to the USB port of computer.
2. Connect the USB cable to the power adapter, at the same time the USB charger red light flashes.
3. The partial voltage charging head of the battery is connected with the USB cable. At this time, the USB charger's red light always on and charging is in progress.
4. When the USB charger red light is off, charging is completed.

Warning

1. To ensure safety, please charge under the supervision of someone.
2. Children cannot charge alone, they should charge with the assistance of an adult.
3. Please use the original standard charger of this product for charging. The charger of unknown origin may cause a fre and explosion accident.
4. It is recommended that users prepare their own 2A current adapter,which will shorten the charging time.

NOTICE BEFORE FLIGHT:

1. Check if the the transmitter power supply is sufficient, whether the helicopter power supply is sufficient
2. Please make sure the transmitter throttle stick is at the bottom when turning on the transmitter
3. Confirm if the transmitter and the helicopter are in the same frequency, re–check the code if it is abnormal
4. Firstly turn on the transmitter when powering on, then connect the battery to the receiver for binding. Firstly unplug the cable between the battery and the receiver when powering off, and then turn off the transmitter.
5. Find a suitable place for safe and happy flying. Keep away from crowds, cars, high–voltage towers, ponds, etc.

BINDING BETWEEN THE TRANSMITTER AND RECEIVER

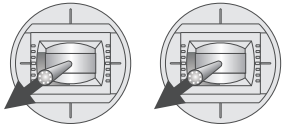
1. Turn on the remote control, the remote control emits a long beep, and the power indicator of the remote control flashes
2. Power on the aircraft, the receiver indicator flashes, move the throttle stick to the uppermost position and then to the lowermost position, the remote control emits a beep, and the remote control light is solid on and the receiver board indicator light is solid on, the binding is completed.
3. If the binding is unsuccessful, please disconnect the power of the aircraft, turn off the transmitter, repeat the above steps to bind again.

AIRCRAFT HORIZONTAL CALIBRATION

1. When the aircraft appears obvious orbit deviation, the flight attitude can be corrected by horizontal calibration.

2. Hit the left and right joystick at the same time to the bottom left corner for 1–2 seconds as shown, At this time, the aircraft indicator light enters quick flashes. The aircraft enters the horizontal calibration, waiting for the aircraft indicator lights return to long light, the calibration is completed.

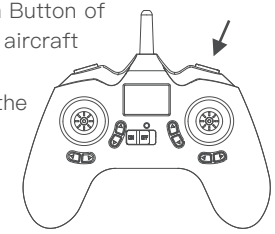
Special note: calibration needs to find a relatively flat field, as far as possible to ensure that the aircraft and the ground at the same level. After the aircraft enters the calibration procedure, it shall be ensured that the aircraft is still, and the aircraft cannot be moved until the calibration is completed.



HOVER SETTING

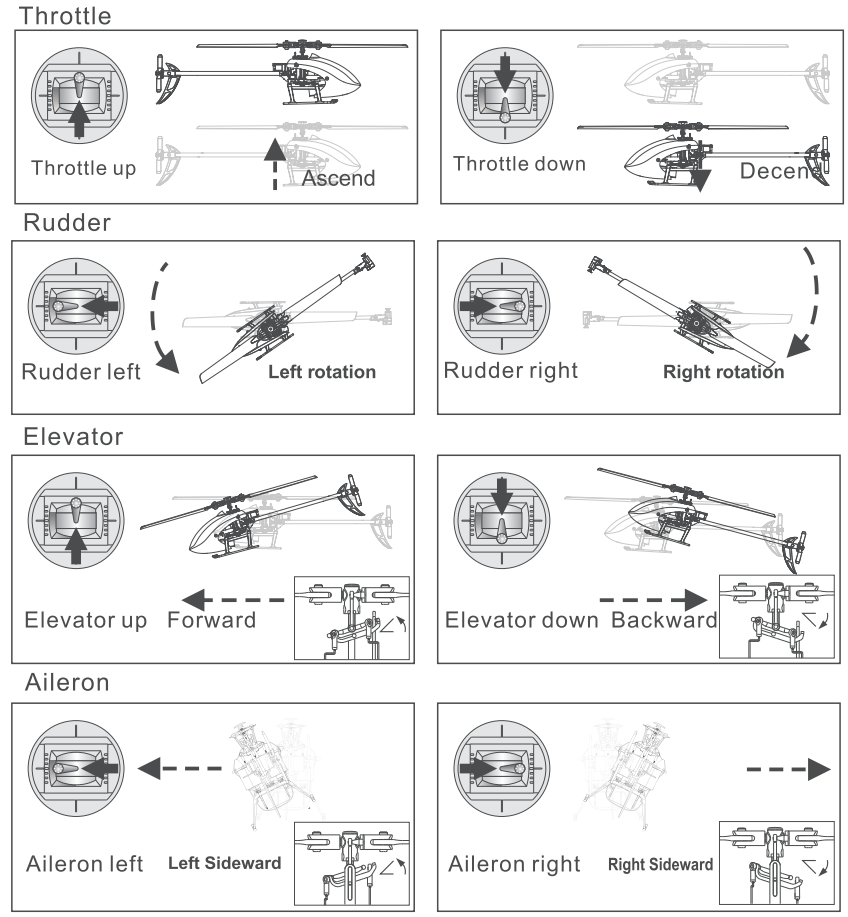
The aircraft you purchased has been set before leaving the factory. If the aircraft cannot enter the hover well, you can set it through the following steps.

1. Power up the plane, match the frequency and take off.
2. In flight, long press the hover setting button to enter the setting. The remote control makes a dripping sound and the indicator light starts to flash.
3. According to the yaw direction of the aircraft, push the Trim Button of the correspondingchannel in the opposite direction until the aircraft hovers smoothly.
4. Land the aircraft and press the hover setting button to exit the setting. At this time, the remote control will emit drops and the indicator light will return to always on.
5. Restart the plane and reset the power of the remote, matching again for fly.



INITIAL FLIGHT

If you are not familiar with the control of the Helis, take a few minutes to get familiar with them and then try your first flight.

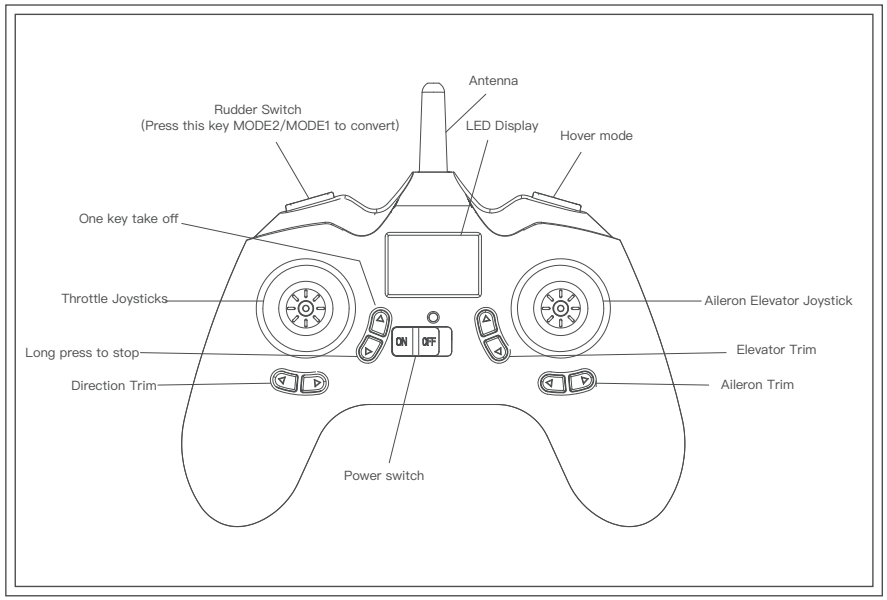


START YOUR FIRST FLIGHT

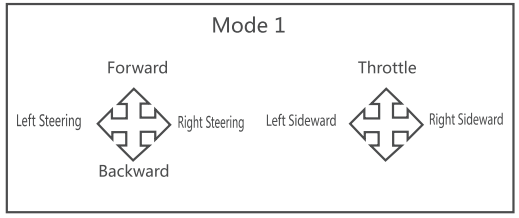
1. The binding of success of the flight level is placed on the ground, to ensure that the aircraft tail to you, head in front.
2. As the picture showa,Snai tme jog sticker corner to start/stop motors.

Note: After the aircraft landed on the ground, keep the throttle rocker in the lowest position for 2–3 seconds,then release the rocker after the airplane motor stops completely.

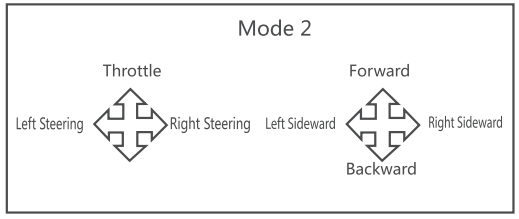
ABOUT REMOTE CONTROLLER



RIGHT HAND THROTTLE



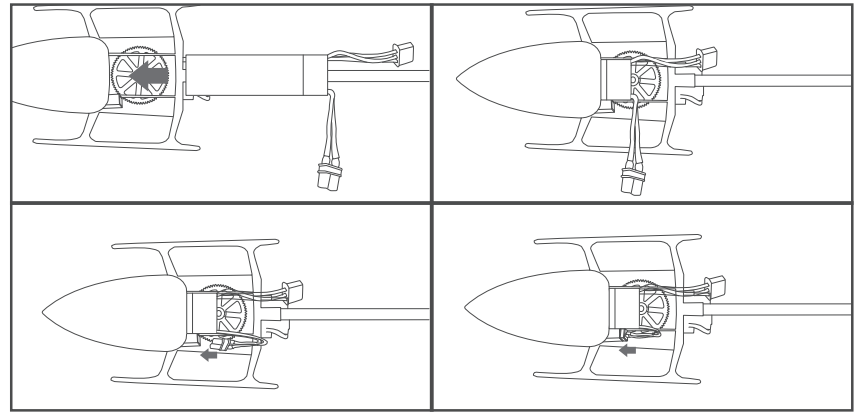
LEFT HAND THROTTLE



1. The transimitter can support MODE1/MODE2 change. Press D/R button to change, then to bind and fly.
2. Close off transmitter, and then power on, it will be back to default value.

FLIGHT BATTERY INSTALLMENT

1. Install the battery into the rack and connect it properly with the receiving power.
2. Once the battery is connected, the signal starts to blink. Keep it still and wait until the signal light stops blinking,which means the receiver has completed self-inspection and gets ready for flight.

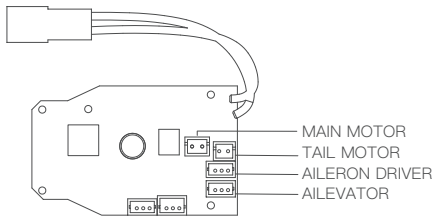


TROUBLESHOOTING

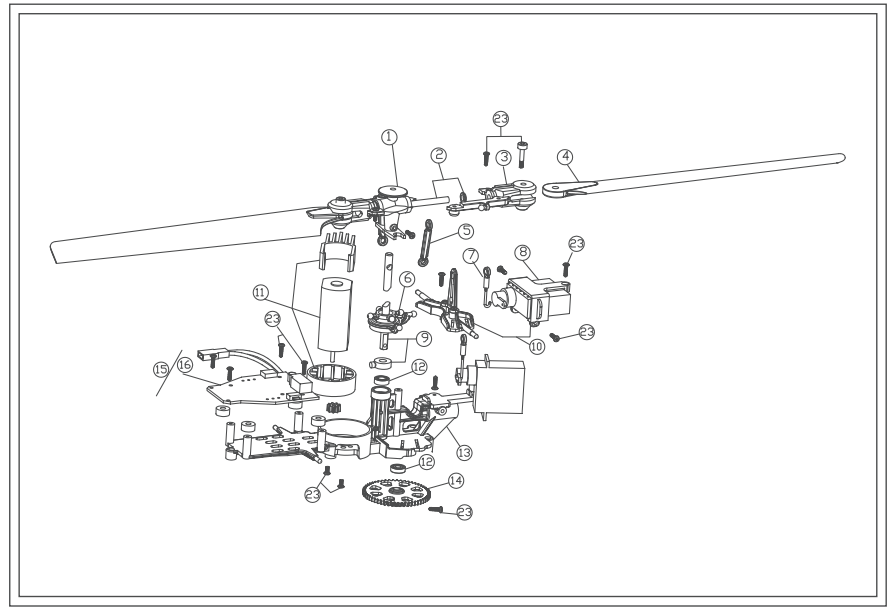
	Problem	Cause	Solution
1	LEDon receiver flashes constantly with no responses after conxssting batteries to transmitter.	Transmitter is not bound to receiver. Pairing of the transmitter and receiver failed.	Re-pair (Refer to P.5, Programming your Transmitter)
2	The helicopter has no response after connecting batteries to receiver.	Check whether the transmitter and receiver connecting to power; check the voltage of transmitter and receiver; Battery pole flake contact is not good.	Open the transmitter, make sure the batteries connecting is good Replace and charge transmitter batteries Make sure the battery pole flake contact is good.
3	When push the throttle pole, the rotor do not rotate and the LED on Receiver flashes constantly.	Low battery voltage; batteries connection is not good.	Replace and charge the batteries, reconnect the batteries to the receiver board.
4	Helicopter takes off immediately, once the batteries and receiver connected.	Didn't put the throttle to the lowest	Put the throttle pole at the lowest position before open the transmitter.
5	Turn on the helicopter after binding successfully, the propeller rotate constantly but the helicopter can not take off.	Low charge in aircraft batteries or main gear loose.	Replace and charge the batteries ; press the spindle with gear tightly.

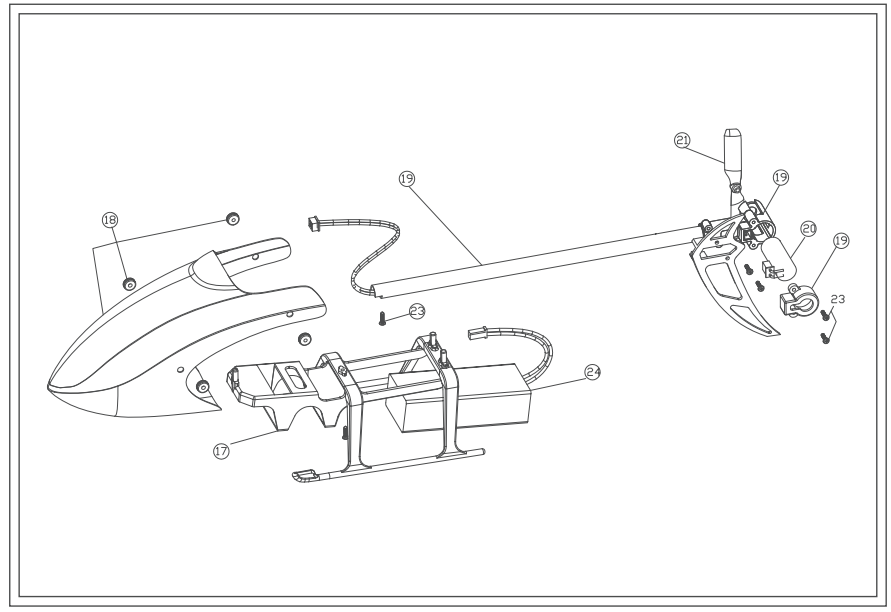
	Problem	Cause	Solution
6	Helicopter vibrates or shakes in flight.	Damaged rotor blades and lateral axis blade grips too tight causing the movement of the main rotor isn't smooth.	Change the main rotor blades, and lateral axis Loosen the blade grips properly.
7	Main rotor blades are shaking in flying.	Lateral axis is bent Latreral axis screw is not tight .There are some debris in the servo, causing shakes . The loose between the swashplates. Deformed or damaged t ail rotor blades.	Replace the lateral axis. Tighten the lateral axis screw.Change the Bearing. Remove the servo,and clear debris. Compress the swash plates. change the tail rotor blades.
8	The sound of the main rotor becomes smaller.	Low battery voltage of helicopter.	Charge the battery or change a fully charged battery.
9	Helicopter has no reaction or can not fly smoothly.	Failure of binding	Rebind the helicopter and transmitter, make sure you place the helicopter static level next to the transmitter.
10	3D/6G model helicopter appeared yaw	Swashplate servos not back in to mid-position or damage	Length adjustment rod, so thatthe vertical spindle swashplate Replace the servo
11	Helicopter yaw occurs in 6G mode,	Helicopters hover need to reconfigure	Reference helicopter 6G mode setting
12	Helicopter took off spin to the left.	Tail motor power shortage loose blades Tail motor damage	Check with the tail rotor blades and the motor shaft, If loose replacement tail rotor blade. Motor damage Replace the tail motor.
13	Helicopter power is turned supreme speed governor electric sound	Brushless speed governor fault or poor contact	Check the connectors replace speed governor

RECEIVER INTERFACE DIAGRAM



EXPLODED VIEW





ACCESSORY LIST

NO.	PARA NAME	QUANTITY
1	Rotor Head Set	1
2	Horizontal Axis Group	2
3	Rotor Clip Set	1
4	Paddle Group	2
5	Link Group	1
6	Swash Plate Group	1
7	Lower Link Group	2
8	Rudder Unit	1
9	Spindle Group	2
10	Servo Pressure Plate Group	1
11	Main Motor Unit	1
12	Bearing Set	1
13	Main Rack Group	1
14	Big Gear Set	2
15	Flight Control Motherboard	1
16	Governor Group	2
17	Landing Gear Group	1
18	Chassis Group	1
19	Tailstock Group	1
20	Tail Motor Unit	2
21	Chassis Group	1
22	Rear Wing	1
23	Screw Set	1
24	Battery	1
25	USB Charger Set	1
26	Remote Control Unit	1