



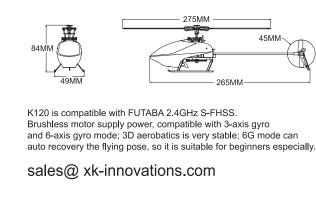
K120 **INSTRUCTION MANUAL**

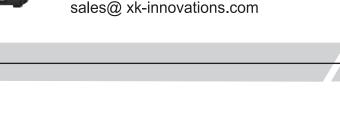






Part No: XK.2.110.017 Part Name: Metal swas





Part No: XK.2.K120.016 Part Name: Tail bar set

Part No: XK.2.K120.017 Part Name: Tail turbines

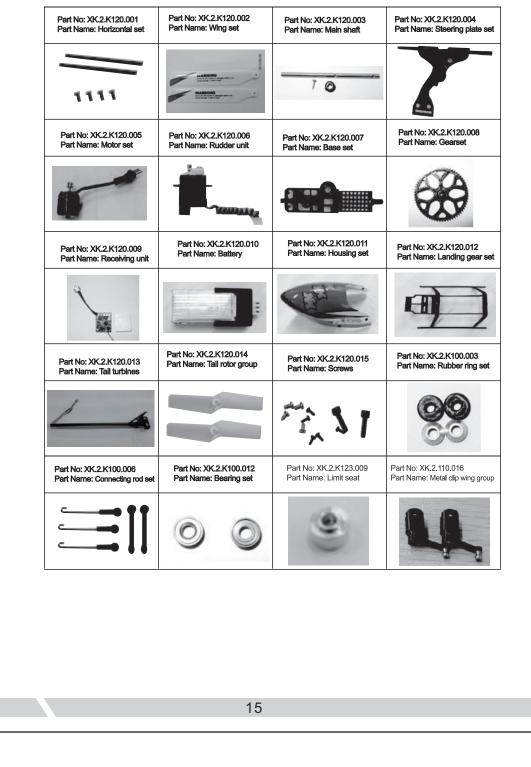




3		1
4	3D instruction Manual	1
5	Helicopter	1
6	Transmitter	1
7	charger	1
8	Adaptor	1
9	Li-po battery 7.4v 300mah 25C	1
10	Cross screwdriver / hex wrench	1
11	Main blade /Tail rotor	1 Set
	1	
	ACCESSORIES LIST	

t No: XK.2.K120.018 t Name: Oma Da frame group Part No: XK.2.K120.019 Part No: Tall motor frame set Part No: XK.2.K120.020 Part Name: The wires Part No: XK.2.X6.001

Part No: XK.2.110.018 Part Name: Metal rotor h



This is a sophisticated hobby product. It must be operated with caution and common sense and requires some basic mechanical ability. Failure to operate this Product in a safe and responsible manner could result in injury or damage to the product or other property. 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 or use, in order to operate correctly and avoid damage or serious injury. ADDITIONAL SAFETY 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,

3. Follow the operation notice, warning and any support equipment (charger, battery, etc)

6. Never place any portion of the model in your mouth as it could cause serious

4. Keep away from any chemicals; keep children away from any small parts and electrical equipment. 5. Always keeping away from water, especially for this product don't have waterproof function;

NOTICE

WARNING

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

■ Read the ENTIRE instruction 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.

visit Our website www.xk-innovations.com

traffic and people.

It will be damaged by moisture.

injury or even death.

NO

2

3

4

5

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7

8

9

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11

12

13

Height

Weight Propeller length

Flight time

Tail motor

Problem

Main rotor blades are

The sound of the main

rotor becomes smaller.

Helicopter has no

reaction or can not fly smoothly.

3D/6G model helicopter

Helicopter yaw occurs in 6G

Helicopter took off spin

appeared yaw

mode,

Notice:

Right hand throttle

Bottom view:

Throttle up

Rudder left 1

Elevator

Aileron

Aileron left

Rudder

constant "DiDi" alarm sound.

Pls make throttle hold switch button and 3D switch button on "OFF" position, and the throttle stick at the lowest position when turn on the transmitter, otherwise transimitter will send

to the left.

10

12

shaking in flying.

Tail rotor blade diameter

Battery specification

Main motor brushless

7. Never operate your model with low voltage transmitter batteries.

PARTS LIST

QUANTITY

2

1

1

1

1

1

1

1

1

1

1

PARA NAME

Horizontal set

Steering plate set

Wing set

Main shaft

Motor set

Base set

Gearset

Battery

Rudder unit

Receiving unit

Housing set

Tail turbines

Landing gear set

Additional safety precautions and warnings Introduction .. Table of contents Helicopter parameters .. Warning and the guide of using battery Battery charging ... First flight preparation caution Binding TX and RX Throttle curve and pitch curve set Gyro parameter setting ana 3D/6G flight transform First flight instruction

Installing the flight Battery

INTRODUCTION

■ This is a super classic helicopter with excellent flight performance. Flybarless design,

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

■ 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

 \blacksquare This manual with detailed instruction ,will help you learn more about the product. Pls read

TABLE OF CONTENTS

mode. You can make a variety of stunts by 3D mode; 6G mode is suitable for

is easily to fly, masters will find it is interesting. It is worth to be possessed.

beginners especially.

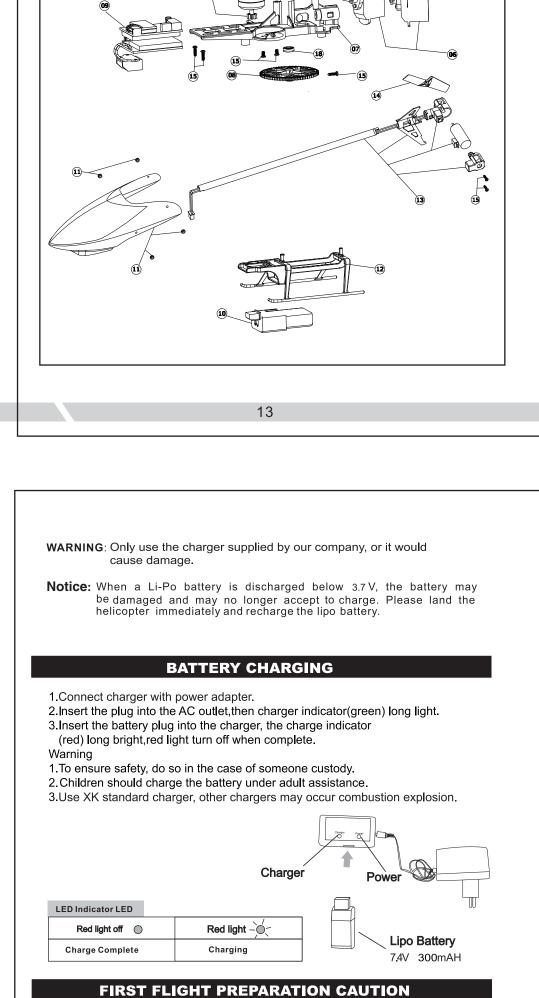
it before your flying.

Transmitter chart ... Transmitter chart

Packing list Notice Warning

Exploded view Parts list . Accessories list .. Accessories list. **EXPLODING VIEW**

14	Tail rotor group	1				
4.5						
15	Screws	14				
16	Rubber ring set	4				
17	Connecting rod set 5					
18	Bearing set 2					
19	Limit seat 1					
20	Metal clip wing group 2					
21	Metal swashplate set 1					
22	Metal rotor head set 1					
23	Tail bar set					
24	Tail turbines	1				
25	Oma Da frame group	1				
26	Tail motor frame set	1				
27	The wires	1				
28						
29	Remote control 1					
30	Gearset	1 1				
2. Before	you models with guidance in the first time. fly the models, you need to understand all the function of t	he transmitter and				
2. Before reaction 3. Don't u you fai When y 4. Praction 5. This m	fly the models, you need to understand all the function of tincause by the rockers. It is a 3D mode hurried. Practice flying and hovering flight und miliar are with it. Then you can practice flying and hovering vou are familiar with these two mode, you can practice inverse hovering flight of inverted flight to lay a foundation for madel is not a toy. For reducing unnecessary damage, pls take the before 3D flying.	ler 6G mode until flight under 3D mode. ted flight with guidance. sking more brilliant flying				
2. Before reaction 3. Don't u you fai When y 4. Praction 5. This m	fly the models, you need to understand all the function of tincause by the rockers. It is a D mode hurried. Practice flying and hovering flight und niliar are with it. Then you can practice flying and hovering you are familiar with these two mode, you can practice inverse hovering flight of inverted flight to lay a foundation for many odel is not a toy. For reducing unnecessary damage, pls take	ler 6G mode until flight under 3D mode. ted flight with guidance. sking more brilliant flying				
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2. Before reactions. 3. Don't unyou fail when you fail to the computations. 4. Practic 5. This macomputations. 6. This macomputations are computations.	fly the models, you need to understand all the function of the nearest process. It is all mode hurried. Practice flying and hovering flight und nilliar are with it. Then you can practice flying and hovering you are familiar with these two mode, you can practice inverse hovering flight of inverted flight to lay a foundation for model is not a toy. For reducing unnecessary damage, pls takes to before 3D flying.	ler 6G mode until flight under 3D mode, rted flight with guidance, sking more brilliant flying se a simulated flight by				



ACAUTION Li // Ni Ni // Li Always use a charger compatible with batteries.	Always charge Batteries away from flammable materials.	Never leave charging Batteries unattended.	A WARNING 4 Li Never charge damaged Batteries.	AWARNING Li Never Alter Batteries.	WARNING
	57.1	e standard cha		xactly Mishandl	ling of Li-Po
ba	tteries can resu	It : in a fire, pers	onal injury, and/	or property dam	
2. By handlin associated 3. If at any tir charging or discharge a 4. Always stor 5. Always tran Do not stor battery can 6. Never use a charger ma 7. Never exception	g, charging or with lithium bat me the battery r discharging, or a battery that is let the battery at a sport or tempoore battery or more battery or more damaged or a Ni-CD or Ni-Ny cause fire resed the recomm	using the includeries. begins to balloodiscontinue and ballooning or sworom temperaturarily store the bodel in a car or even catch fire. He charger. Fail ulting in personals with hook and least to the book and least to the book and least to the book and least to be a swith hook and least to be a swith hoo	uded Li-Po baten or swell, disconnect. Con disconnect. Con the line of the lin	tery you assur- continue use im- continuing to use in fire. for best results, cerature range o . If stored in a	mediately. If e, charge or f 40–120° F. hot car, the

Possible Cause

Lateral axis is bent

debris in the servo,

causing shakes . The loose between the swashplates. Deformed or damaged t

ail rotor blades.

Low battery voltage

Failure of binding

Swashplate servos not g

Helicopters hover need to

Tail motor power shortage

yrus or damage

reconfigure

loose blades

Tail motor damage

of helicopter.

Latreral axis screw is not tight .There are some

Solution

Bearing.

battery.

Replace the lateral axis.

Tighten the lateral axis screw. Change the

Remove the servo, and clear debris.
Compress the

change the tail rotor blades.

Charge the battery or

change a fully charged

Rebind the helicopter and transmitter, make sure you place the

next to the transmitter.

Length adjustment rod,

swashplate

mode setting

tail motor.

Replace the servo

so thatthe vertical spindle

Reference helicopter 6G

Check with the tail rotor blades

and the motor shaft, If loose

replacement tail rotor blade.

Motor damage Replace the

WARNING AND THE GUIDE OF USING BATTERY

84 mm

77.5 g

275 mm

45 mm

5-7min 1106

8520

7.4v 300mah 25C

 Make sure the battery power is full both for TX and helicopter.
 Before open the power of TX, please make sure the TH. Stick at the bottom and the switch of TH.HOLD and 3D mode in back position (back cover Helicopter power is turned Brushless speed governor Check the connectors replace 3. Make sure the TX is binding with helicopter ,or please rebind them.4. Please open TX first, then connect the battery with the RX board on helicopter to bind with TX. When close, please cut the power of helicopter first, and then 5. Keep away from crowd, cars, high-tension towers and pond. Then you can start your flying. TROUBLESHOOTING GUIDE Problem Possible Cause Solution LED on receiver flashes Bind transmitter to Transmitter is not bound constantly and operating receiver(Refer to P.6, to receiver. no function after connecting Programming your batteries to transmitter. Transmitter) The helicopter do not response after connecting Open the transmitter, Check whether the transmitter and make sure the batteries batteries to receiver. receiver connecting connecting is good to power; check the voltage of transmitter Replace and charge transmitter batteries 2 and receiver; Battery Make sure the battery pole flake contact is good. pole flake contact is not good. When push the throttle Replace and charge the Low battery voltage; pole, the rotor do not batteries connection batteries, reconnect the rotate and the LED on is not good. batteries to the receiver Receiver flashes constantly. Helicopter takes off Put the throttle pole at Didn't put the throttle to the lowest position before open the immediately, once the batteries and

transmitter.

Replace and charge the

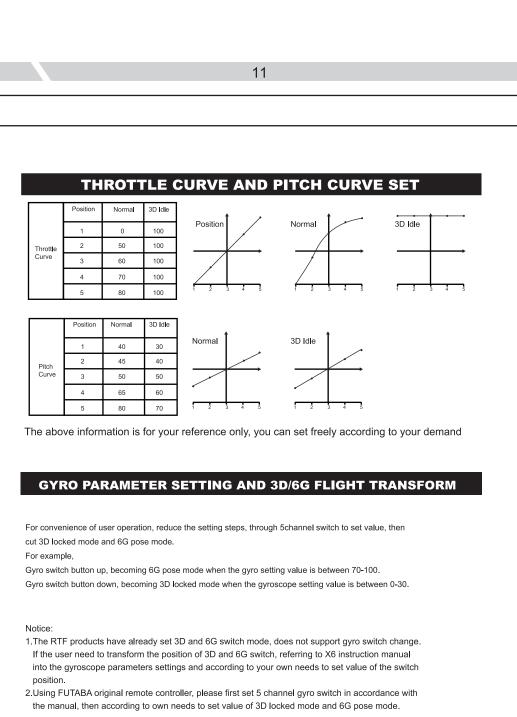
spindle with gear tightly.

Change the main rotor

properly.

blades, and lateral axis Loosen the blade grips

13	Helicopter power is turned supreme speed governor electric sound	fault or poor contact	speed governor
		12	
		BINDING TX AND	PY
Vo			
	re-code, do as following.		mpleted on the code, if you
3. 0 4. 0 5. 1 Tip No effe	second, then the red lamp Complete the binding of co The determination of when turn around, so as not to i o: This product is common te: The transmitter throttle	red lamp flashes slowly, pr go out and into a state of the ode when red and blue lame the code is not the same to mpact on the code. to all FUTABA 2.4GHZ S-F e is not at its lowest positionate, emitting the opportunit	oinding of code. p are brighten for long time. type of remote control to
_	roscope calibration		
gyr 1. C p 2. P 3. P 4. N	o, makes more stable flight Open the remote control, make s iosition. Power to the plane, to be self-tes Push the throttle rocker, by the h Nove the throttle stick to the bott	ure the throttle stick at the lowes t is complete, the lights lit. overing of rocker control, the pla tom left corner of breaking while n flash lights appeared to enter t	individual cases, by calibrating the st position, 3D switch is in the OFF ane landed. breaking into the lower right corner he gyroscope calibration. The lights



receiver connected.

Turn on the helicopter after

binding successfully, the

but the helicopter can not take off.

Helicopter vibrates or

shakes in flight.

5

6

propeller rotate constantly

Low charge in aircraft

Damaged rotor blades

causing the movement

of the main rotor isn't

and lateral axis blade grips too tight

batteries or main

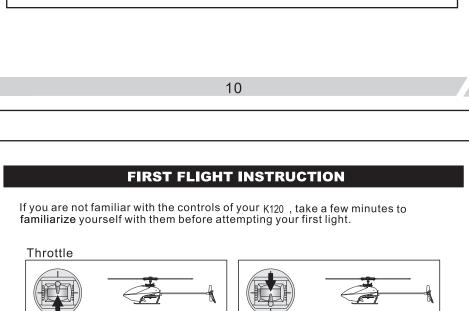
gear loose.

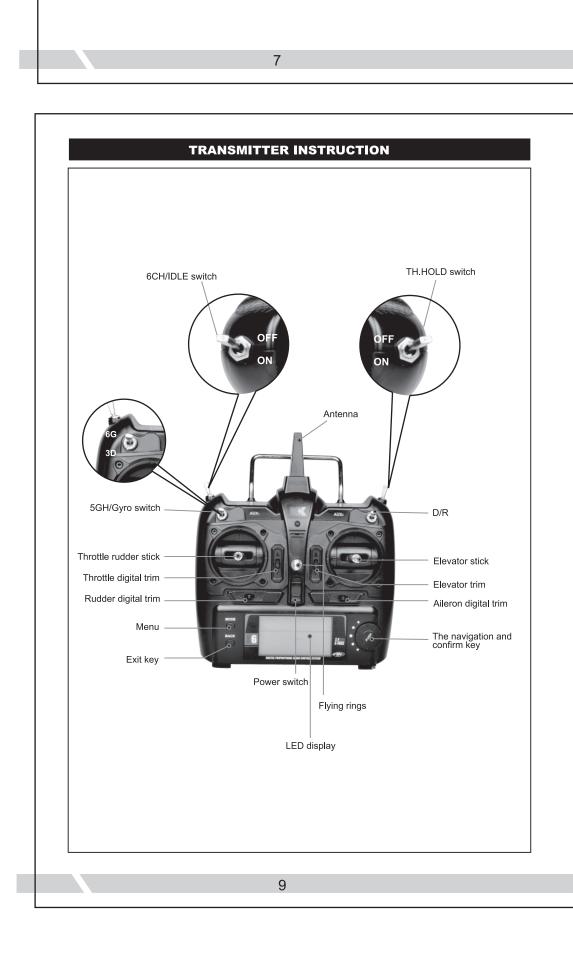
smooth.

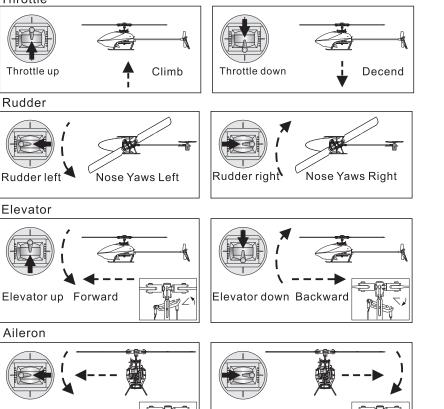
Forward	Throttle	Throttle	Forward		
Left Steering Right Steering FI Backward	y left side PFly right side	Left Steering 7 PRight Steeri	Fly left side Fly right side ing Backward		
2. Support CCPM120 degree dedicate remote control; switch the size of the rudder with 3D 6G convert four kinds of joystick mode; Flameout switch(TH.HOLD) and other models; large screen LCD display.					
INSTALLING THE FLIGHT BATTERY					
 first open the remote control, confirm the throttle stick in the position and 3D idle switch and accelerator keep (TH.HOLD) switch in the position of the 0FF. will battery through the battery storehouse of landing gear, is inserted into the receptacle of a plane, the plane sent 1 2 3 voice, the power supply is switched on, once again issued a long drop sound, signal receiver identified. a remote control aircraft with rocker rocker, the corresponding channel direction, confirm each channel correctly, you can fly. 					
The side view:					
		\$			

Left hand throttle

Mode 2







Right Left Aileron right RECEIVER INTERFACE DIAGRAM - Tail motor socket 0 00 Pitch rudder socket 0 00 Aileron servo jack 0 00 Jack lifting rudder Jack gyroscope The key code

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