



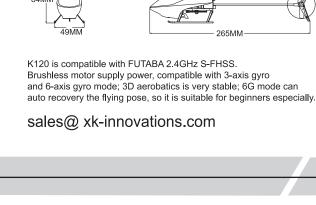
K120 **INSTRUCTION MANUAL**



FCCE O O A X



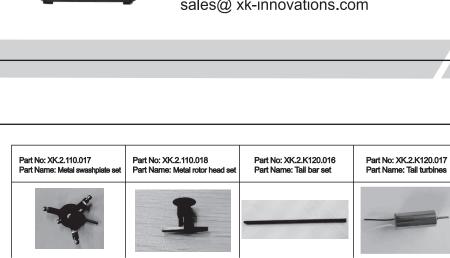




Part No: XK.2.K120.020 Part Name: The wires

Part No: K.2.110.015 Part Name: Metal upgrades





Part No: XK.2.K120.019 Part Name: Tail motor frame set



Part No: XK.2.K120.018 Part Name: Oma Da frame group

No Paris Paris	PACKAGING LIST					
NO	PART NAME	QUANTITY				
1	Gift box	1				
2	Foam surface shell	1				
3	Foam back shell	1				
4	3D instruction Manual	1				
5	Helicopter	1				
6	Transmitter	1				
7	charger	1				
8	Adaptor	1				

1

1

1 Set

Li-po battery 7.4v 300mah 25C

Cross screwdriver / hex wrench

Main blade /Tail rotor

9

10

11

	ACCESSO	RIES LIST	
Part No: XK.2.K120.001 Part Name: Horizontal set	Part No: XK.2.K120.002 Part Name: Wing set	Part No: XK.2.K120.003 Part Name: Main shaft	Part No: XK.2.K120.004 Part Name: Steering plate
1111	CARDINO III	7 0	7
Part No: XK.2.K120.005 Part Name: Motor set	Part No: XK.2.K120.006 Part Name: Rudder unit	Part No: XK.2.K120.007 Part Name: Base set	Part No: XK.2.K120.008 Part Name: Gearset
Part No: XK.2.K120.009 Part Name: Receiving unit	Part No: XK.2.K120.010 Part Name: Battery	Part No: XK.2.K120.011 Part Name: Housing set	Part No: XK.2.K120.012 Part Name: Landing gea
	and the second	A STATE OF THE PARTY OF THE PAR	
Part No: XK.2.K120.013 Part Name: Tail turbines	Part No: XK.2.K120.014 Part Name: Tail rotor group	Part No: XK.2.K120.015 Part Name: Screws	Part No: XK.2.K100.003 Part Name: Rubber ring

Part No: XK.2.K123.009

Part Name: Limit seat

Part No: XK.2.K100.012

Part No: XK.2.K100.006

beginners especially.

it before your flying.

Notice ...

Part No: XK.2.110.016

Part No: XK.2.X6.001 Part No: K.2.110.014

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. 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 $% \left(1\right) =\left(1\right) \left(1\right)$

ADDITIONAL SAFETY PRECAUTIONS AND WARNINGS

visit Our website www.xk-innovations.com

correctly and avoid damage or serious injury.

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) 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; It will be damaged by moisture. 6. Never place 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.

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

Landing gear set

NO

2

3

4

5

6

7

8

9

10

11

12

Weight Propeller length

Flight time

Tail motor

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

Helicopter power is turned

supreme speed governor

appeared yaw

mode,

to the left.

Right hand throttle

large screen LCD display.

10

12

Tail rotor blade diameter

Battery specification

Main motor brushless

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Additional safety precautions and warnings	2
Introduction	
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Gyro parameter setting ana 3D/6G flight transform	7
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Receiver interface diagram	8
	_

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

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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.

 Receiver interface diagram
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 Accessories list ... **EXPLODING VIEW**

		-			
13	Tail turbines	1			
14	Tail rotor group	1			
15	Screws	14			
16	16 Rubber ring set				
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	1			
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25	Oma Da frame group	1			
26	Tail motor frame set	1			
27	The wires	1			
28	Metal upgrades	1			
29	Remote control	1			
30	Gearset	1			
reaction of 3. Don't use you famili When you 4. Practice h	the models, you need to understand all the function of ause by the rockers. 3D mode hurried. Practice flying and hovering flight under a rewith it. Then you can practice flying and hovering are familiar with these two mode, you can practice invovering flight of inverted flight to lay a foundation for real is not a toy. For reducing unnecessary damage, pls to before 3D flying.	nder 6G mode until ig flight under 3D mode. verted flight with guidance. making more brilliant flying			
	14				
	HELICOPTER PARAME	TERS			
Leng	1th 265	5 mm			
	2.1				
Heig	ht 84 i	nm			

77.5 g

275 mm

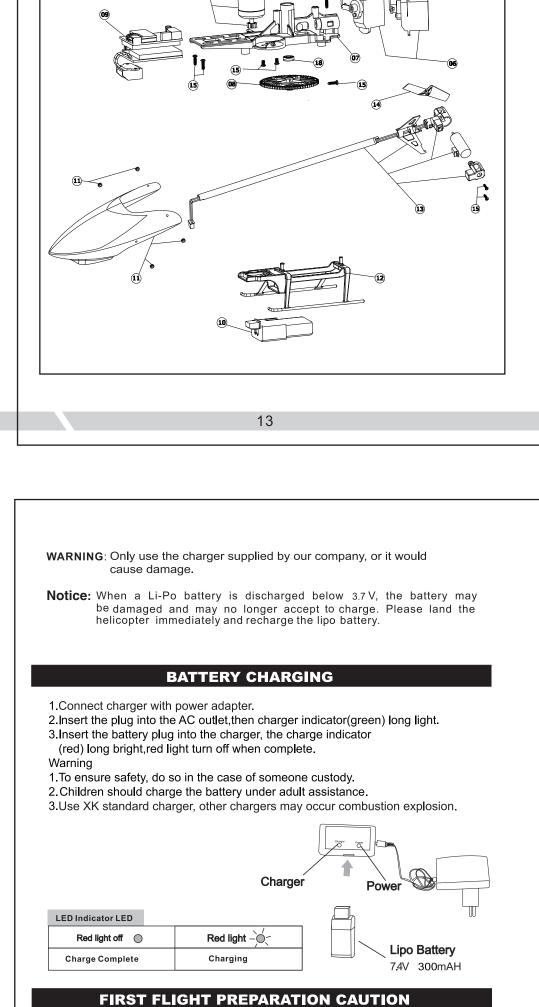
45 mm

5-7min 1106

8520

WARNING AND THE GUIDE OF USING BATTERY

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

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

your flying.

and the switch of TH.HOLD and 3D mode in back position (back cover

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

	To ensure safety, pls use the standard charger inside.							
	CAUTION: All instructions and warnings must be followed exactly. Mishandling of Li-Po batteries can result: in a fire, personal injury, and/or property damage. 1. Can result in a fire, personal injury and property damage. 2. By handling, charging or using the included Li-Po battery you assume all risks associated with lithium batteries. 3. If at any time the battery begins to balloon or swell, discontinue use immediately. If charging or discharging, discontinue and disconnect. Continuing to use, charge or discharge a battery that is ballooning or swelling can result in fire. 4. Always store the battery at room temperature in a dry area for best results. 5. Always transport or temporarily store the battery in a temperature range of 40–120° F. Do not store battery or model in a car or direct sunlight. If stored in a hot car, the battery can be damaged or even catch fire. 6. Never use a Ni-CD or Ni-MH charger. Failure to charge the battery with a compatible charger may cause fire resulting in personal injury and/or property damage. 7. Never exceed the recommended charge rate. 8. Never cover warning labels with hook and loop strips.							
		4		,				
				-				
	Problem	Possible Cause	Solution					
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.					

Low battery voltage

Failure of binding

Swashplate servos not g

Helicopters hover need to

Tail motor power shortage

Brushless speed governor

fault or poor contact

yrus or damage

reconfigure

loose blades

Tail motor damage

of helicopter.

Charge the battery or

battery.

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.

speed governor

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.

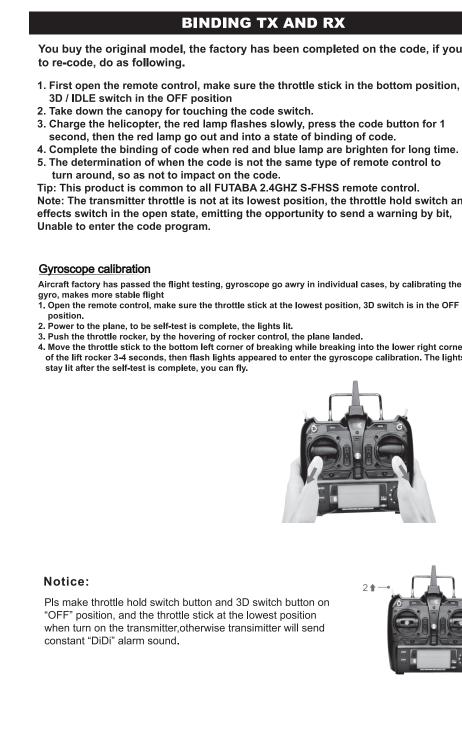
Check the connectors replace

Motor damage Replace the

	TROUE	BLESHOOTING G	UIDE
	Problem	Possible Cause	Solution
1	LED on receiver flashes constantly and operating no function after connecting batteries to transmitter.	Transmitter is not bound to receiver.	Bind transmitter to receiver(Refer to P.6, Programming your Transmitter)
2	The helicopter do not 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
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.

				12			
			BINDI	NG TX A	ND RX		
	ou buy the or re-code, do	_		ory has bee	n complete	ed on the co	ode, if you
4. 0 5. Tip No effe	second, then Complete the The determina turn around, o: This produc ote: The transi fects switch in nable to enter	binding of ation of who so as not too it is commonitter throther the open so	code when en the code o impact on on to all FU tle is not at state, emitti	red and blue is not the sa the code. TABA 2.4GHZ its lowest po	e lamp are bame type of Z S-FHSS reposition, the	righten for l remote con emote contro throttle hold	trol to ol. I switch an
Airo gyr 1. 0 p 2. F 3. F 4. N	yroscope calill craft factory has ro, makes more so Open the remote position. Power to the plar Push the throttle Move the throttle of the lift rocker 3 stay lit after the s	passed the fli stable flight control, make ne, to be self-t rocker, by the stick to the b	e sure the thro test is complet e hovering of r pottom left cor hen flash light	ottle stick at the te, the lights lit. rocker control, t ner of breaking is appeared to e	lowest position he plane land while breakin	on, 3D switch is ed. g into the lowe	s in the OFF
					0 100		

	Position	Normal	3D Idle		.	
	1	0	100	Position	Normal	3D Idle
Throttle	2	50	100			
Curve	3	60	100			
	4	70	100	/		
	5	80	100	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5
				•		
	Position	Normal	3D Idle] t	t	
	1	40	30	Normal	3D Idle	
Pitch	2	45	40			
Curve	3	50	50			
	4	65	60			
	5	80	70	1 2 3 4 5	1 2 3 4 5	
GYF	RO PAI	RAME	TER S	SETTING AND 3	can set freely accordir	RANSFORM
GYF r convert 3D lock	nience of u	RAME [*] ser operati	TER S	SETTING AND See the setting steps, through	•	TRANSFORM Jue, then
GYF r convert 3D local r examp	nience of u ked mode a ble, ch button u	Ser operation and 6G posto, becoming	TER S	SETTING AND See the setting steps, through	BD/6G FLIGHT T	TRANSFORM Je, then



Left hand throttle

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;

INSTALLING THE FLIGHT BATTERY

1. first open the remote control, confirm the throttle stick in the position and 3D idle switch

2. 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

3. a remote control aircraft with rocker rocker, the corresponding channel direction, confirm

and accelerator keep (TH.HOLD) switch in the position of the 0FF.

issued a long drop sound, signal receiver identified.

each channel correctly, you can fly.

The side view:

Bottom view:

Rudder

Elevator

Aileron

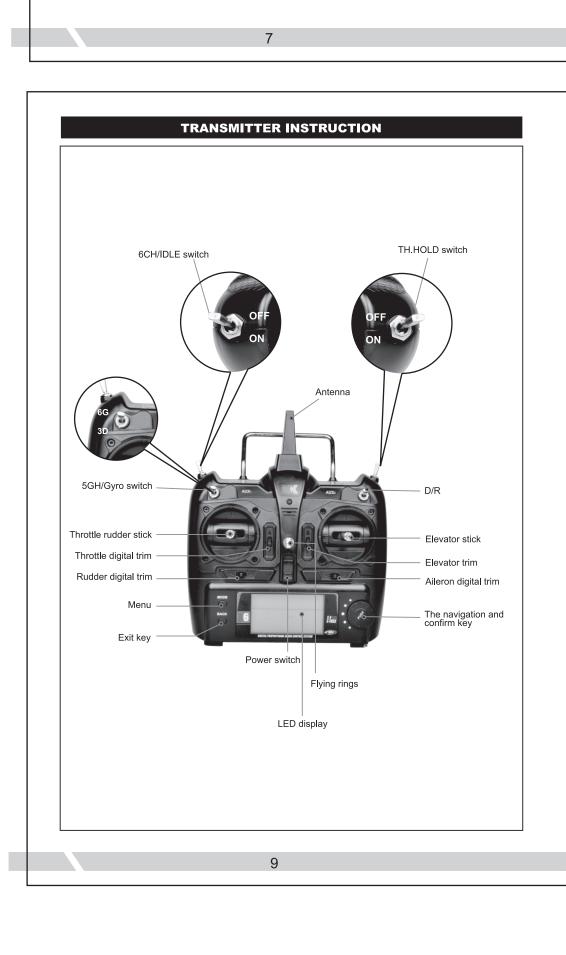
Aileron left

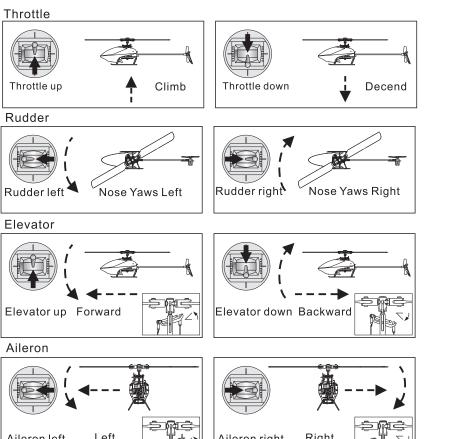
Mode 2

Forward

Fly right sic

10
FIRST FLIGHT INSTRUCTION
If you are not familiar with the controls of your K120, take a few minutes to familiarize yourself with them before attempting your first light.
Throttle
Throttle up Climb Throttle down Decend





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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