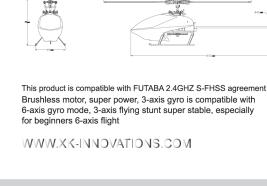


K110 **INSTRUCTION MANUAL**





visit Our website site.



FCCE O O A X

Email:sales@ xk-innovations.com



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11	Main blade /Tail rotor	1 Set
	1	

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,

NOTICE

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

■ Read the ENTIRE instruction manual to become familiar with the features of

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

Length

Height

Weight

Flight time

Propeller length

Tail rotor blade diameter

Battery specification

- 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.

4. Keep away from any chemicals; keep children away from any small parts and electrical equipment.

HELICOPTER PARAMETERS

270 mm

245 mm

5-7min

3.7v 450mah 25C

37 mm

80 mm

58 g

■ 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

beginners especially.

is easily 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. Pls read it before your flying.

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

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

- **TABLE OF CONTENTS** Packing list Notice Warning Additional safety precautions and warnings
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Main motor brushless 1106 Tail motor 0715 **WARNING AND THE GUIDE OF USING BATTERY ▲**CAUTION The battery charger included with the K110 has been designed to safely charge the Li-Po battery.

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. Never exceed the recommended charge rate.

Always store the battery at room temperature in a dry area for best results

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.

2. By handling, charging or using the included Li-Po battery you assume all risks

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.

1. Can result in a fire, personal injury and property damage.

Never cover warning labels with hook and loop strips.

BINDING TX AND RX

You buy the original model, the factory has been completed on the code, if you need

1. First open the remote control, make sure the throttle stick in the bottom position,

3. Charge the helicopter, the red lamp flashes slowly, press the code button for 1 second, then the red lamp go out and into a state of binding of code.

5. The determination of when the code is not the same type of remote control to

Tip: This product is common to all FUTABA 2.4GHZ S-FHSS remote control.

4. Complete the binding of code when red and blue lamp are brighten for long time.

to re-code, press one steps.

3D / IDLE switch in the OFF position

Unable to enter the code program.

2. Take down the canopy for touching the code switch.

turn around, so as not to impact on the code.

Pls set the position of the FUTABA TX switch by yourself. 2. Charging the helicopter, put the throttle rocker and lifting rocker to

2. Power to the plane, to be self-test is complete, the lights lit.

Description: 1 Use standard charger and USB power cord to connect, and then connect to

WARNING: Only use the charge supplied by our company, or it would

Notice: When a Li-Po battery is discharged below 3.7 V, the battery may

BATTERY CHARGING

be damaged and may no longer accept a charge. Please land the helicopter immediately and recharge the flight battery.

cause damage.

1-cell 3.7V Variable Rate DC Li-Po Charger

2. The red lamp will flash after connecting to computer. 3. The red lamp will brighten when charging, it will go out when complete charging. 4. The charger can change two batteries at the same time.

Notice: Use only factory supplied charger **Notice:** Never attempt to power the charger from an AC outlet without the use of a proper AC to DC adapter/power supply.

1. Make sure the battery power is full both for TX and helicopter 2. 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

3. Make sure the TX is binding with helicopter, or please rebind them.

FIRST FLIGHT PREPARATION CAUTION

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

following these steps to set up: 1.Open the TX, make sure that the gyro(3D/6G) switch is on 6G OFF position.

<u>6G aircraft hovering mode settings</u>
When you buy products factory has been set up, if the aircraft in hover flight or not well, then you can use the following steps to set. The helicopter has been set up on factory, if it cannot be in hover flight, pls

Note: The transmitter throttle is not at its lowest position, the throttle hold switch and 3D effects switch in the open state, emitting the opportunity to send a warning by bit,

bottom after the gyro finish self-checking. Then, red lamp of TX will flash slowly and into 6G hover flight debugging mode. 3. Push throttle rocker to flying, control the rocker to hovering and landing. 4. Place the throttle stick and lift rocker at the lowest position for 3 seconds to save the data, After the long flight to bright lights.

Gyroscope calibration Aircraft factory has passed the flight testing, gyroscope go awry in individual cases, by calibrating the gyro, makes more stable flight 1. Open the remote control, make sure the throttle stick at the lowest position, 3D switch is in the OFF

3. Push the throttle rocker, by the hovering of rocker control, the plane landed.
4. Move the throttle stick to the bottom left corner of breaking while breaking into the lower right corner.

of the lift rocker 3-4 seconds, then flash lights appeared to enter the gyroscope calibration. The lights stay lit after the self-test is complete, you can fly.

FIRST FLIGHT INSTRUCTION

Throttle down

Rudder right

Aileron right

If you are not familiar with the controls of your K110 , take a few minutes to

familiarize yourself with them before attempting your first light.

Climb

Nose Yaws Left

Left

Throttle

Throttle up

Rudder

Rudder left

Elevator

Aileron left

Decend

Nose Yaws Right

Right

マダ

cut 3D locked mode and 6G pose mode.

Notice:

Notice:

direction)

turn off the TX.

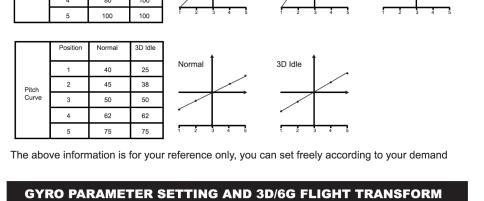
your flying.

1. When you turn on the remote control, throttle hold switch is ON, the remote control will be issued Didi alarm sound, you should switch back to the OFF position.

2. Turn on the remote control when, 3D switch in the ON state, the remote controller will issue reported drops Offbeat, you should switch back to the OFF position.

Turn on the remote control when the throttle stick is not in its lowest position, the remote control will be issuedDidi alarm sound, you should leave the throttle stick is not in its lowest position.

100 100



TRANSMITTER INSTRUCTION

Antenna

6CH/IDLE switch

5GH/Gyro switch

Throttle rudde stick

Throttle digital trim Rudder digital trim

Menu

the manual, then according to own needs to set value of 3D locked mode and 6G pose mode.

For convenience of user operation, reduce the setting steps, through 5channel switch to set value, then Gyro switch button up, becoming 6G pose mode when the gyro setting value is between 70-100. Gyro switch button down, becoming 3D locked mode when the gyroscope setting value is between 0-30. 1. The RTF products have already set 3D and 6G switch mode, does not support gyro switch change. If the user need to transform the position of 3D and 6G switch, referring to X6 instruction manual into the gyroscope parameters settings and according to your own needs to set value of the switch 2. Using FUTABA original remote controller, please first set 5 channel gyro switch in accordance with

TH.HOLD switch

Size rudder volume

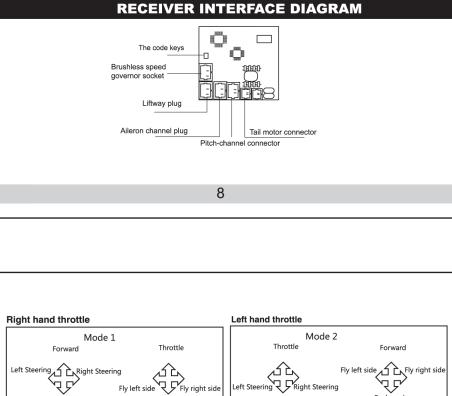
Elevator stick

Aileron digital trim

switch

3D Idle

Elevator up Forward Elevator down Backward Aileron



2. Which remote control helicopter support CCPM120 degree dedicated remote control, switch

INSTALLING THE FLIGHT BATTERY

3. Insert the battery inside the chassis and power supply is properly connected to the

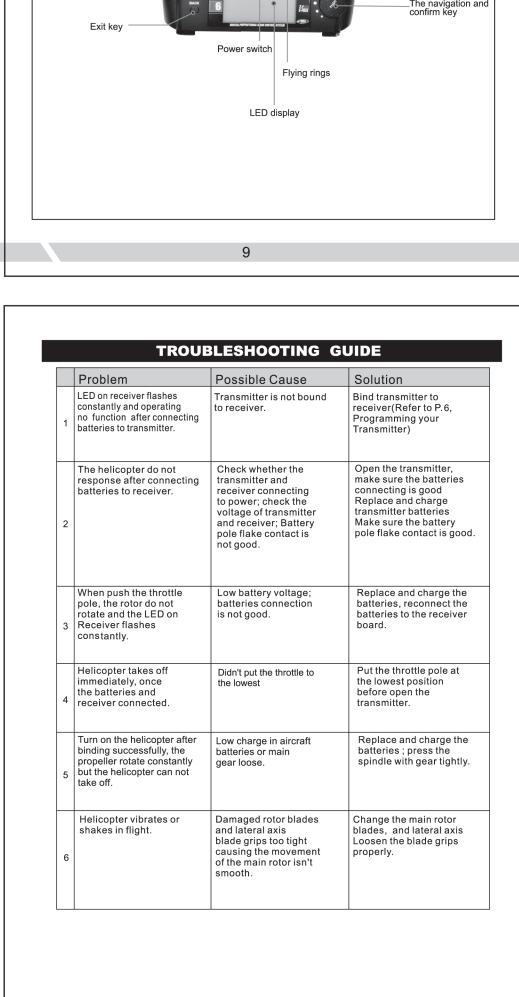
4. battery after turning lights flashing, still flat until lights stop flashing, the receiver self-test

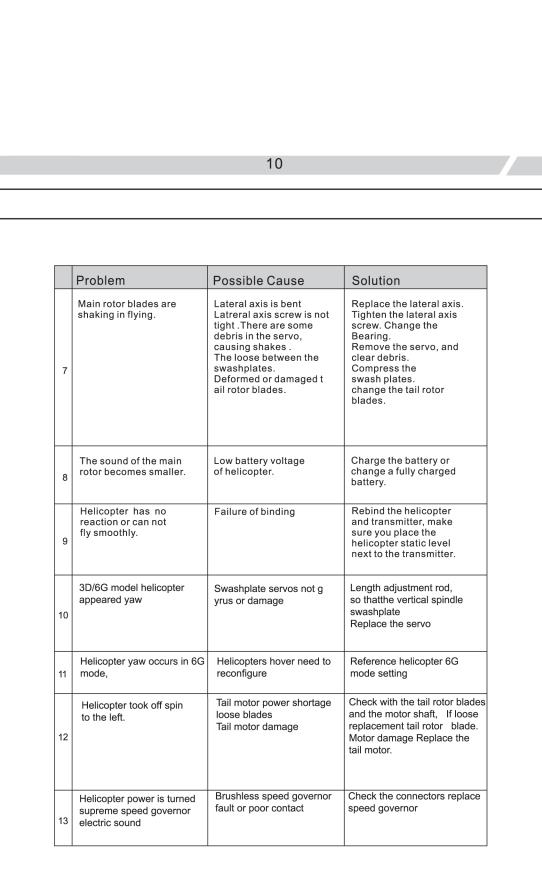
1. Lower throttle and throttle trim to lowest settings.

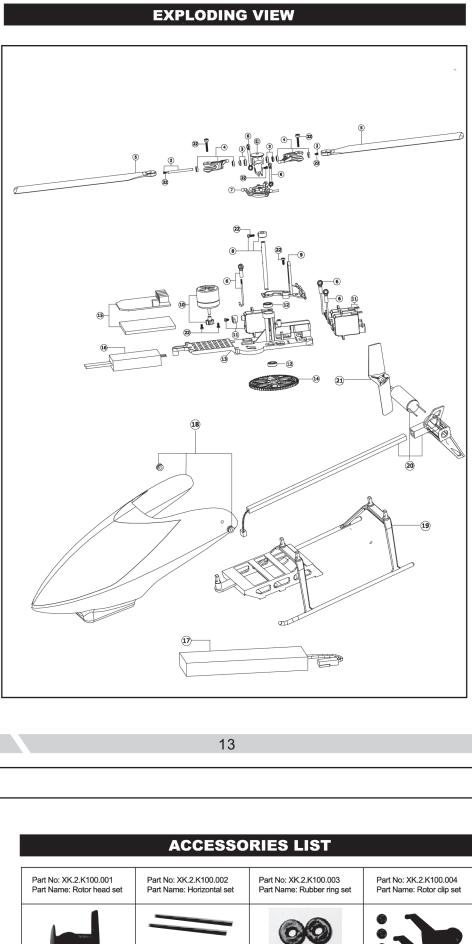
2. Turn on the transmitter.

is complete, you can fly

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 multi-function remote control.







NO 1 2 3 4 5 6 7 8 9 10 11 12 13 14	PARA NAME Rotor head group Horizontal group Rubber ring group Rotorclip set Rotor group Linkage Swashplate Spindle group Servo plate group Motor group Rudder unit Bearing group		1 6 4 6 2 8 2 3 1
2 3 4 5 6 7 8 9 10 11 12	Horizontal group Rubber ring group Rotorclip set Rotor group Linkage Swashplate Spindle group Servo plate group Motor group Rudder unit		6 4 6 2 8 2 3
3 4 5 6 7 8 9 10 11 12	Rubber ring group Rotorclip set Rotor group Linkage Swashplate Spindle group Servo plate group Motor group Rudder unit		4 6 2 8 2 3
4 5 6 7 8 9 10 11 12 13	Rotorclip set Rotor group Linkage Swashplate Spindle group Servo plate group Motor group Rudder unit		6 2 8 2 3
5 6 7 8 9 10 11 12 13	Rotor group Linkage Swashplate Spindle group Servo plate group Motor group Rudder unit		2 8 2 3
6 7 8 9 10 11 12 13	Linkage Swashplate Spindle group Servo plate group Motor group Rudder unit		8 2 3
7 8 9 10 11 12 13	Swashplate Spindle group Servo plate group Motor group Rudder unit		2
8 9 10 11 12 13	Spindle group Servo plate group Motor group Rudder unit		3
9 10 11 12 13	Servo plate group Motor group Rudder unit		
10 11 12 13	Motor group Rudder unit		1
11 12 13	Rudder unit		
11 12 13			2
12 13			1
13			2
	Base		1
14	Gear group		2
4 -	 		1
15	Governor group		
16	Receiving unit		2
17	Battery pack		2
18	Chassis group		3
19	Landing gear group		1
20	Tail motor group		6
21	Screws group		1
22	Last bar group		2
23	Last turbines		2
24	Tail motor frame group		2
25	The cord set		2
26	Tail group		2
27	Gearset		2
28	Metal upgrades		19
29	Metal upgrades		23
30	Metal clip wing group		10
31 32	Metal swashplate group Metal rotor head group		11 2
2.Before fly t and reactio 3.Don't use 3 you familia When you 4. Practice he 5.This model	ginners: models with guidance in the first time. he models, you need to understand all in cause by the rockers. Di mode hurried. Practice flying and ho ar with it. Then you can practice flying a are familiar with these two mode, you co overing flight of inverted flight to lay a f is not a toy. For reducing unnecessary impute before 3D flying.	vering flight under 6 and hovering flight u can practice inverted foundation for makin	G mode until nder 3D mode. flight with guid g more brilliant
	14		

12

Part No: XK.2.K100.001	Part No: XK.2.K100.002	Part No: XK.2.K100.003	Part No: XK.2.K100.004
Part Name: Rotor head set	Part Name: Horizontal set	Part Name: Rubber ring set	Part Name: Rotor clip s
	1111	00	: }
Part No: XK.2.K100.005	Part No: XK.2.K100.006	Part No: XK.2.K100.007	Part No: XK.2.K100.000
Part Name: Wing set	Part Name: Connecting rod set	Part Name: Swash set	Part Name: Main shaft
nAAKURA I SAAKURA I SAAKUR			7 @
Part No: XK.2.K100.009	Part No: XK.2.K110.001	Part No: XK.2.K100.011	Part No: XK.2.K100.01:
Part Name: Steering plate set	Part Name: Motor set	Part Name: Rudder unit	Part Name: Bearing set
			0 0
Part No: XK.2.K110.002	Part No: XK.2.K100.014	Part No: XK.2.K110.003	Part No: XK.2.K110.004
Part Name: Base set	Part Name: Gearset	Part Name: Speed governor	Part Name: Receiving u
Part No: XK.2.K110.005	Part No: XK.2.K110.006	Part No: XK.2.K110.007	Part No: XK.2.K110.008
Part Name: Battery	Part Name: Housing set	Part Name: Landing gear set	Part Name: Tail turbines
Transfer.	nere 9		2

Part No: K.2.110.013 Part Name: The wires	Part No: XK.2.110.012 Part Name: Tail motor frame set	Part No: XK.2.110.018 Part Name: Metal rotor head set	Part No: K.2.110.014 Part Name: Gearset
		1	
Part No: K.2.110.015 Part Name: Metal upgrades	Part No: XK.2.110.016 Part Name: Metal clip wing set	Part No: XK.2.110.017 Part Name: Metal swashplate set	Part No: XK.2.X6.001 Part Name: Remote control
*1		THE	
Part No: XK.2.K100.026 Part Name: Charging set		'	
District Dis			