



X6 Remote control instructions



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Warning:

The controller uses with 6S AA batteries, prohibited to use the AA battery and li-battery do not meet the product. The controller is not a toy, it's not suit for the children under the age of 14 who do not have a rich experience of handling. Suggest you play with the person who have rich experience. The manufacturer and distributors are not responsible for the uses. please be sure to read the instructions carefully before use:

FCCE® C A

The product passed the related certification, such as FCC CE ROHS and so on.

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Summarize:

The controller supports a variety of models, such as fixed-wing, multicopter and helicopter, with the regulatory function of the model parameters, support many types of aircraft storage, Uses 2.4GHZ FUTABA S-FHSS communication Agreement, with long distance error correction capability and strong anti-interference ability and other characteristics. This controller is simple and convenient for operation, the following is a detailed description of the controller.

The technical parameters of the controller:

Battery: 6 pcs 1.5V AA battery. Operating Voltage:6-9V Working current:100-150MA Transmit power: 2+DBM





4) E curve (EXP) parameter settings



5) Throttle curve (T.curve) parameter settings

Functional Description	Setting steps	Description
To provide users linear throttle lever to adjust the settings to improve the feel	 Power on Press the MODE button for one second, the screen Reverse and 123456 flashes Rotate right through the navigation keys appear T.curve with 1 2 3 4 5 flashing Press the OK button to enter, the emergence of a digital quantization module flashing, 2 3 4 5 stop flashing. Position by rotating the navigation keys to set the corresponding preset position and quantization module corresponding preset position and quantization module flashing. Press the OK button to enter the appropriate location and quantification module flashing, represents a number of other positions hidden. Quantization module by turning the wheel to the right to increase the value, rotate to the left, to quantify the value decreases Press the OK button to save and jump to the next position data. after setting Double-click the BACK button twice to exit the setting 	Throttle curve which 1 2 3 4 5 representing the five positions throttle range, the default value is 25 % 50 % 75 % 100%, set the maximum amount is 100%, the minimum quantity is 0, 1, and 5, respectively, represent the throttle range minimum and maximum position, under the fixed-wing mode 1 and 5 is best to use the default value, set a value greater than 0, then part of the power transfer will not identify, value of 5 will result in reduced output rocker in the highest position not full throttle signal.





6) Mixing Set

Functional Description	Setting steps	Description
Provides users with three commonly mixing mode for fixed-wing.	 Power on Press the MODE button for one second, the screen Reverse and 123456 flashes Rotate right through the navigation keys appear Mixes with123 flashing Press the OK button to enter, 123 flashing and mixes stop flashing. By rotating the navigation keys to set the mode, the corresponding mixing mode indicator flashes corresponding Choosing to be set after mixing module press the OK button to enter, appear to be mixing the current channel and the main channel flashing By the navigation keys to select the channel to be set press the OK button to enter, the current channel and the quantization module (pre-mixing amount of 80%) is flashing After mixing proportions set by the navigation keys Press the OK button to enter the secondary channel mixing Press the OK button to confirm the setting and maintaining the data until after the second channel is set up. Double-click the BACK button to exit the setting under 2 channel digital display indicates the current mixing module. 	No display channel area represents no mixing channel display shows a representative of the delta wing mixing channel display area 2 V -tail mixing channel display area 3 Flaperons mixing wing mixing data set value -100 % - 100%, a negative value indicates a direction opposite to the operation direction of the joystick

Mixing Mode Channel Display

Mixing Mode	Channel Display	Apply
1	1 aileron channel	delta wing mixing
1	2 Elevator Channel	delta wing mixing
0	2 Elevator Channel	V -tail mixing
2	4 Direction channel	v -tai mixing
3	1 aileron channel	Elanorons mixing
3	6 Flap channel	r laperons mixing

Release mixing control mode 1 Power on

2 Press the MODE button for one second, the screen Reverse and 123456 flashes

3 Rotate appear Mixes currently mixing pattern appears flashing through the navigation keys

4 Press the OK button to enter, Mixes stop flashing , the current model represents

digital mixing flashing

5 Rotate Left navigation key appears 123 flashes, then press BACK button to exit 6 Release mixing control mode succesfully, when none mixs, moudle and digital display on the screen.

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6) Set	pitch curve	
	Functional Description	

Functional Descript	ion Setting steps	Description
According to the needs, segments on settings provide different needs pitch parameter settings, set the pitch curve and throttle curve similar sub 5:00 parameter adjustment	 1 Power on 2 Press the MODE button for one second, the screen Reverse and 1 2 3 4 5 6 flashes 3 Rotate right through the navigation keys appear P. curve with 1 2 3 4 5 flashing 4 Press the OK button to enter, the emergence of a digital quantization module flashing, 2 3 4 5 to stop flashing 5 Position by rotating the navigation keys to set the corresponding preset position and quantization module corresponding to blink 6 Press the OK button to enter the appropriate location and quantification module flashing, represents a number of other positions hidden. Quantization module by turning the wheel to the right to increase the value, rotate to the left, to quantify the value decreases 7 3D IDLE switch to the ON position, in order to set five points for 3D pitch curve 8 Press the OK button to save and jump to the next channel data 9 after setting press the BACK button twice to exit the setting 	Pitch curve which 1 2 3 4 5 representing the five positions throttle range, the default value is 25 % 50 % 75 % 100%, the IDLE / 3D toggle switch to the ON position, set the 3D pitch, IDLE / 3D switch to control pitch and 3D pitch distinguish general were two different parameter settings on the safe side, set the pitch curve to prevent the blades rotate wounding must be TH H-DL throttle hold toggle switch to the ON position, or motor connection plug and the governor first opened.
7) Gyro sensitivity sett	ngs	
Functional Descript	ion Setting steps	
To provide users with a helicopter locked sensitivity	1 Power on 2 Press the MODE button for one second, the screen Reverse a 1 2 3 4 5 6 flashes	and

sensitivity	1 2 3 4 5 6 flashes
settings, lock	3 Rotate right through the navigation keys appear GYRO flashing
into the tail	4 Press the OK button to enter the digital quantization module flashing.
sensitivity and	5 Rotate Right navigation key figures to quantify the increase,
non- lock tail	left rotation decreases. Gyro switch set different parameters at
gyro sensitivity	different locations
switch control to distinguish	6 After setting, press the BACK button twice to exit

Tail lock or not lock state as follows



The thin solid line is the set value, the thick broken line and a thick solid line portion of the corresponding sensitivity value. Thick broken line portion represents the lock lever sensitivity. Thick solid line portion represents fees lock mode sensitivity



90 °Swash plate

evator servo

Aileron servo

Aileron servo

Advanced remote control parameter adjustment

1) Model module sets

l pitch

CCPM 120 °Swash plate

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Flight mode selection (MODE1/MODE2)

Servo setting		
Functional Description	Setting steps	Description
Used to adjust the servo arm installation error, user-friendly adjustment, but does not affect the normal use of external trimming	 Power on Press MODO and BACK button for 1-2 seconds to enter the module settings. MDL. sel and modular digital display flashes Turn the rotary navigation keys to SUB. Trim and 12456 (Digital represents channel) flash. Press the OK button, then SUB. Trim and 2456 stops flashing, and digital quantification flashing. Turn the navigation keys to select the channel you want to set, press the OK button to enter the corresponding channel stops flashing, digital quantification modules continue to flash, the other channel digital hidden. Rotate to adjust the quantization module parameters via the navigation keys, to go in effect steering. After setting the parameters press the OK button to save your settings and jump to the next channel. After setting press the BACK button twice to exit the setting. 	Set point -100 % -100%, respectively, on both sides of the maximum set amount equivalent to 10% of the entire trip rocker. When the setting you want and Aircraft bound for the code is good, and power on the plane, the specific parameters to be set in accordance with the actual needs of the alircraft.

5) Flight mode selection (MODE1/MODE2)

Functional Description	Setting steps
User-friendly for different flight mode conversion.	1 Power on 2 press MODO and BACK button for 1-2 seconds to enter the module settings. MDL. sel and modular digital display flashes 3 Turn the navigation key to flight mode and MODE 1 (Asian version) or 2 (European version) flashing 4 Press the OK button to enter the MODE stops flashing, flashing flight mode 1 or 2 5 Turn the navigation button on the remote mode and press the OK button to confirm 6 press the BACK button twice to exit the setting 7 MODE1 and MODE2 need to convert the following restructuring 8 After the above adjustments, the success of the flight control mode conversion.

① Open the back cover of the controller as shown in the above rubber cover



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2 According to convert the current need to use a Phillips screwdriver to open the throttle press board, while relaxing the current damping plate so feel lighter, reducing the damping. Then some of the channel to be used as the throttle lock press board, separated springs, rocker relax and adjust the damping plate according to personal feel.





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Special Function of controller 1) on the code binding with the receiver

ſ	Functional Description	Setting steps
	for communication links Between the controller and receiver, the initial proposal for the time code receiver requires about 0.5 meters away, and around as far as possible no next FUTABA 2.4GHZ S-FHSS protocol controller to turn the environment is bound to code.	 Turn on controller to confirm the position of the throttle stick at the bottom, all the switches in the OFF position. Give Power to the receiver, the receiver power indicator long red light Touch the receiver button for 1 second to enter the code state when the red light goes out. When the red and blue light is always on (signal indicator), indicating that the binding code is successful.
2)	3D switch protection.	
Ī	Functional Description	Setting steps
	Give tips when the user misuse:	When you turn on the controller, 3D switch is not in the OFF position, the controller emits sound DiDiDi, please set the switch to the correct position.
3)	throttle position protection	n
	Functional Description	Setting steps
	Give tips when the user misuse.	When you turn on the controller, the throttle is not at its lowest position, the controller emits sound "DiDiDi", please make the throttle back to its lowest position after the alarm lifted.

4) controller Power Management

The controller turned on, if the user does not manipulate for a long time, it will take -saving power and alarm, prompting the user to use the controller on or off, No manipulation within 20 seconds will automatically turn off the LED backlight, the user within five minutes without manipulating will be "DiDiDi" alarm, prompting closure controller

5) controller midpoint calibration

	Functional Description	Setting steps	
6)	By handling the joystick error occurs, improve the feel and improve the sophistication, usually require the initial installation of the joystick or potentiometer after replacing the joystick.	 Under the remote control off, throttle trim down while pressing the controlle over significant In will turn lift the throttle direction aileron stick hit the maximum and minim 3 50% throttle stick into neutral position. Throttle trim struck down again to exit. 	r to open the display um positions respectively
) Functional operation of the simulator		
	Functional Description	Setting steps	Description
	Provide users with more media practice, through PPM output signal can practice flying in the simulator	 1 Open controller. 2 Use 3.5mm audio cable into the output port of the remote control PPM 3 The other end connected to the dongle, dongle and computer links. 4 Open the simulation software for parameter settings, you can fly 	The remote control only rocker channel output signal, after connecting flight simulator parameters need to be set up in the simulator software

7)	Restore factory settings	
	Functional Description	Setting steps
	When the user	
	parameter settings	Shut down the remote control, press MODE + BACK button to open the remote control, the disp
	chaos, this function	shows the word CC, about 5 seconds to restore normal display monitor, restore factory settings
	can be quickly restored	successful. Below is restore factory settings defaults
	to factory settings.	

Model category	No mixing fixed-wing aircraft								
The size of the rudder			Rig ruddor		eft			100%	
	Ailoron cha				ight			100%	
	Alleron cha		Small ruddor		_eft	80%			
					ight	80%			
		R	ia ruddor	l	_eft	100%			
	Elevator		iy luuuei	R	ight	100%			
	Channe	6	Small rudder		_eft	80%			
		3			ight	80%			
		B	Big rudder		_eft	100%			
	Direction				ight			100%	
	channel	c	Small rudder		_eft		80%		
		0			ight			80%	
E curve	Aileron char	nnel	EO						
	Elevator Cha	anne	EO						
	Direction chan	nnel	EO						
Throttle curve					1		0%		
	Normal Mode					2		25%	
					3			50%	
					4		75%		
					5			100%	
Pitch curve					1			0%	
					2		25%		
	Normal Mode				3			50%	
				4			75%		
					5		100%		
Trimming	Aileron channel			0					
	Elevator Channe			0					
	Throttle channel			0					
	Direction channel			0					
Midpoint trimming	Aileron channel		_	0					
	Elevator	_	0						
	Throttle channel			0					
Mixing wing		mixina a	mixing channel A			Left		80%	
	OFF				Right			80%	
		mixing channel B				Left	80%		
					F	Right		80%	