



TINY TX SERIES X6

8-CHANNEL 2.4GHZ DIGITAL RADIO

USER MANUAL

Thanks for purchasing **TINY TX** series 2.4GHz digital system, RF solution of this product use AMICCOM A7106 and SKYWORKS RFX2401C. Tiny X6 is a 8-channel easy to use radio for multirotor, it will help you simplifies the setup , make you focus on fly.

The current of radio about 90mA, support 2 type battery :

<1>. Three AAA battery, 1.5V alkaline or 1.2V Ni-MH battery.

<2>. One 4.2V lithium ion battery.

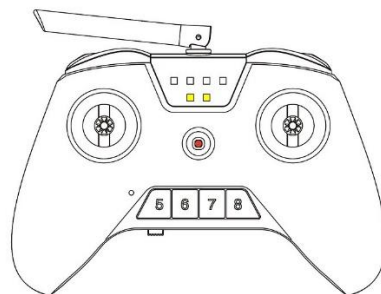
WE DON'T ADVISE USE 1.5V CARBON-ZINC BATTERY !

<WHAT IN THE PACKET>

- X6 Radio x1
- AAAx3 battery box (NOT include battery) x1
- Micro S.BUS receiver x1

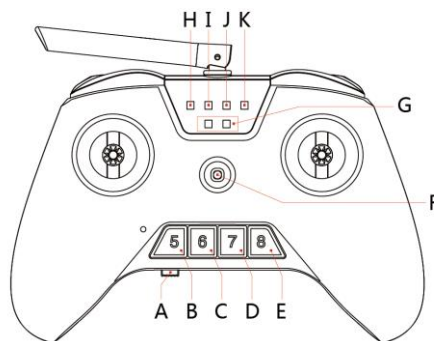
<BIND RECEIVER WITH RADIO>

1. Press the button of receiver then power on, green indicator on receiver will blink fast meaning bind mode enable.
2. Press the **red button** of radio shown as below then power on the radio, yellow indicator on radio shown as below will blink + buzzer meaning radio bind mode enable.



3. Bind success when the indicator of receiver from green fast blink switch to red on. Turn off the radio then power on, indicator of receiver will green on, mean receiver working normal.
4. The indicator of receive green solid meaning working normally, green LED brightness meaning signal strength. Red LED solid meaning receiver signal lost.

<SCHEMATIC>



< SCHEMATIC DESCRIPTION >

<A>: Power switch.

, <C>, <D>, <E>: 5、6、7、8 channel key.

<F>: Trim key (NEED KEY COMBINATION) :

Trim lift stick : hold 5 channel key, toggle trim key.

Trim right stick : hold 8 channel key, toggle trim key.

<G>: Battery indicator: suggest change battery when middle power.

Battery indicator	Battery status
	High power (above 60%)
	Middle power (40%~10%)
+ buzzer	Low power (less than 10%)

<H>: 5 channel indicator.

5 channel indicator	Channel data
	1800
	X
	1200

<I>, <J>, <K>: 6、7、8 channel indicator.

6、7、8 channel indicator	Channel data
	1800
	1500
	1200

<CHANNEL DATA >

Tiny X6 radio support total 8 channels data output, channel's sequence,

minimum data, neutral data and maximum data show as table below:

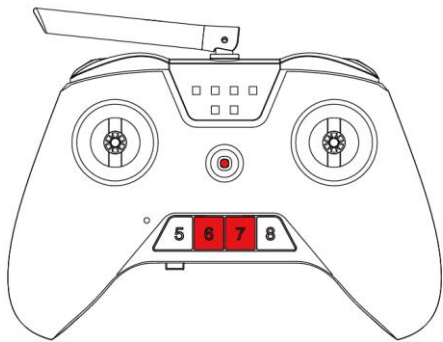
	T	A	E	R	5CH	6CH	7CH	8CH
MIN	1050	1100	1100	1100	1200	1200	1200	1200
neutral	-	1500	1500	1500	-	1500	1500	1500
MAX	1950	1900	1900	1900	1800	1800	1800	1800

<STICK RE-CALIBRATION > AND <RADIO SETTING>

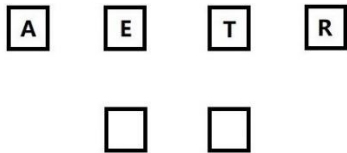
The stick of radio already calibration before leave factory, but after long time use maybe result bias, user can re-calibration the stick and change radio setting as follows:

1. make sure the radio **POWER OFF**, **keep throttle / rudder and elevator / aileron stick all in neutral position**.
2. **HOLD three red keys** as shown below then power on, the radio will into

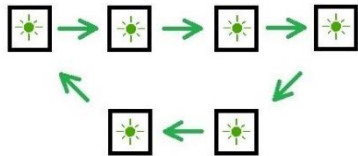
< stick re-calibration > mode.



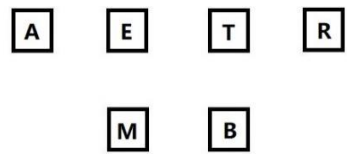
3. <stick re-calibration > will first run neutral calibration, if AIL、ELE、THR、RUD channel NOT in middle position, the A、E、T、R indicator as show below will RED blink and buzzer. User need keep two sticks in neutral position then run <stick re-calibration > again.



4. Range calibration will run after neutral calibration success. All LED will CCW GREEN water work as follow, please shake stick to maximum rang.



5. After range calibration success, radio will into <radio setting> menu, the indicator meaning and setting method as follows:



	MEANING	SETTINGM	DEFAULT
A indicator	AIL REV OFF	5 channel key.	REV OFF
	AIL REV ON		
E indicator	ELE REV OFF	6 channel key.	REV OFF
	ELE REV ON		
T indicator	THR REV OFF	7 channel key.	REV OFF
	THR REV ON		
R indicator	RUD REV OFF	8 channel key.	REV OFF
	RUD REV ON		
M indicator	Mode 2	Trim key,	Mode 2
	Mode 1	Lift and right	
B indicator	AAA battery	Trim key,	AAA Battery
	Lithium battery	Up and down	

The radio setting will save automatic after change, user can restart radio use power switch.

Radio use AAA battery default, if user change 4.2V lithium ion battery, MUST change battery type in <radio setting>, or else may cause battery leave indicator error and battery damage.

<VERSION : 00702E >