2.4GHz Radio System User Guide

FCC Caution：

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment complies with FCC radiation exposure limits set forth for uncontrolled environment .This equipment should be installed and operated with minimum distance 20 cm between the radiator& your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

A. Transmitter

Frequency bands:2.4 GHz, (CX2.4T, and CX2.4U)
(where T/U denote Left/Right-hand throttle versions)
Proportional control channels: 4 (1 throttle and 3 actuator controls)
Switch control channels: 2 (not used in this product)
Control mixing selections: 6
Control distance: >100m (300ft) – working with the supplied receiver
Power supply: 6 volts (using 4 AA 1.5V batteries)
USB connector: supply DC 6v for USB charger

Photo 3A – The transmitter overview

(a)---Trim reset button---press and hold 5 seconds (at the same time the led light g flashing) all 4 trimmers reset at neutral position

(b)(c)(f)(k)---trimmers---do trim the corresponding channel

(d)---shoot button---not used in this product

(e)(l)--- Left and Right Proportional-Control-Levers---

are for the proportional controls of the throttle and 2 actuators. (The 3rd actuator control is not used in this product).

Transmitter	Lever (l) Trimmer (b) - up/down	Lever (l), Trimmer (k) - left/right		Lever (e), Trimmer (c) - up/down	Lever (e), Trimmer (f) - left/right	
		mix0,1,2	mix3,4,5		mix0,1,2	mix3,4,5
CX2.4GT	Throttle +/-	3rd act.	Turn L/R	Elevator U/D	Turn L/R	3rd act.
CX2.4GU	Elevator U/D	Turn L/R	3rd act.	Throttle +/-	3rd act.	Turn L/R

Table 3A -- Control lever and trimmer functions (L/R: left/right, U/D: up/down, act.: actuator)

(g)---trim reset led light---while flashing state tx at the trim reset process
(h)---Mix Dial--- Select a control mixing to fly a particular airplane type
(i)--- The transmitter state LED --- On continuously: the transmitter is on and in its normal working state;
Flashing steadily : low transmitter battery is indicated(at the same time tx emit beep beep…sound)
(j)---Power switch--- turn on/off the transmitter.
(m)--- Power Supply Battery Compartment ---Use 4 AA type 1.5V batteries for powering the transmitter and the charger
(n)—USB charger connector---supply DC 6v for USB charger
Substantive role of USB Interface: USB charger, only power supply to lithium battery of the receiver

B. Select Mixing Type

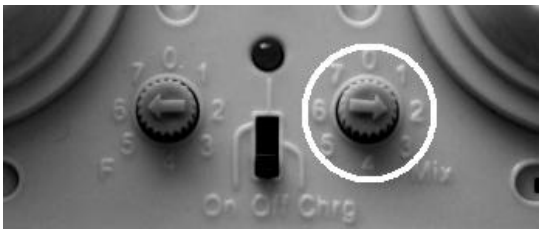

Photo 3C –
mixing type dial
(Marked “Mix”, 6 types of mixing.)

Select the control mixing type according to the choice of airplane, the transmitter type and the right or left hand turn/bank preference.

Airplane	Using transmitter CX 2.4GT Turn with -	Using transmitter CX2.4GU Turn with -	Mixing selection
Canard plane	Right hand	Left hand	0
	Left hand	Right hand	3
V-tail plane	Right hand	Left hand	1
	Left hand	Right hand	4
Biplane	Right hand	Left hand	2
	Left hand	Right hand	5

Table 3C – Mixing selection

Select mixing type either before or after the transmitter is turned on. See section 5D for more details on control mixing selection. Refer to Table 3A for more control lever functions. The positions 6 and 7 on the mixing dial are reserved for transmitter analog control output and are unused in this product.

C. Receiver

Frequencies:2.4Ghz;
Proportional Channels: 3 (1 throttle and 2 actuator controls)
Control distance: >100m (300ft.) with supplied transmitter

Low Battery Voltage Protection
Power Supply: 1 cell LiPo battery (3.7V)

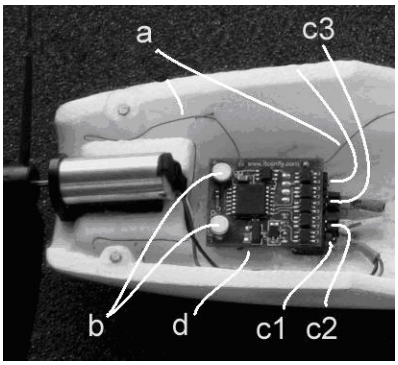

Photo 3D1 – The receiver mounted in the Base Module

a. Antenna, b. Magnetic battery connectors, c1. Proportional motor control channel output, c2, c3, – 2 Proportional actuator control channel outputs
d. Receiver LED (on the under side)

Once the receiver is energized the motor/propeller could potentially move. Handle with care to avoid bodily injury and/or property damage. Energize the receiver only before a flight. Disconnect the LiPo battery from the receiver immediately after the flight.

The receiver and the supplied LiPo batteries have matching magnetic electrical connectors. To power up the receiver connect a supplied LiPo battery to the receiver as indicated in Photo 3D2. Do not attempt to reverse the connection polarity.

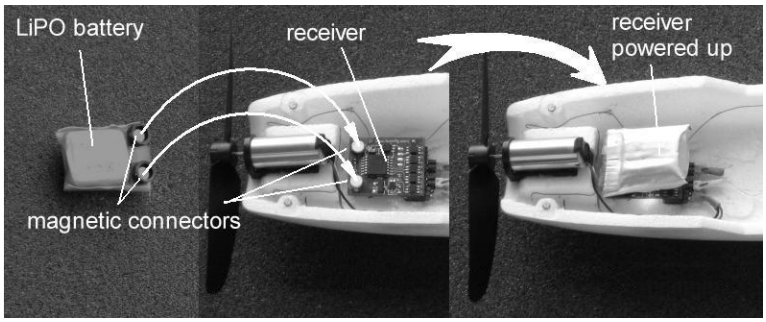

Photo 3D2 – LiPo battery connects to receiver to energize the receiver

D. Address code reset

When change a new receiver/transimitter, user should reset the address code to match the transmitter .

Step 1. Press and hold the trim reset button then turn on the transmitter ;

Step 2. Connect a full battery to Rx and the LED will flash,when the LED become continuously lit ,the address process code reset finish.