

QR X800

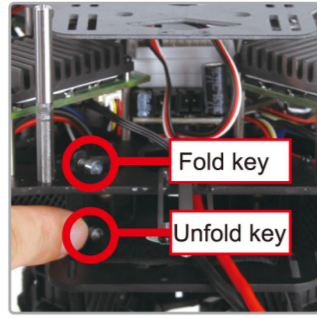


Flying Flowchart and Quick Start Guide

1 Unfold the motor fixed tube set



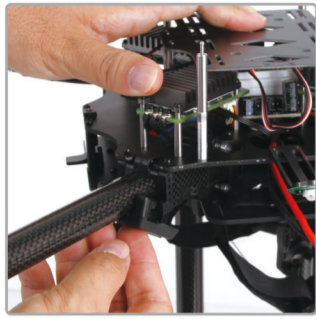
1.1 Prepare the aircraft



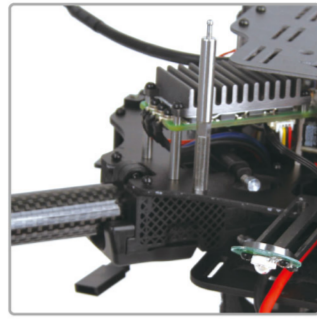
1.2 Motor fixed tube key



1.3 Press spread key, spread motor fixed tube parts upwards



1.4 Buckle on fixed part



1.5 Buckled assigned



1.6 Expansion Finished

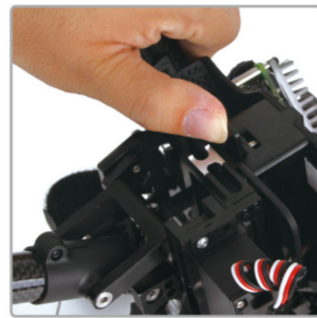
2 Mount skid landing set



2.1 Prepare skid landing set



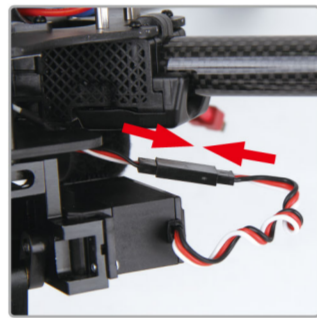
2.2 Put it into tripod sliding chute
AUX3 connect to AUX3
AUX4 connect to AUX4



2.3 Toggle upward the locking buckle, install skid landing set



2.4 Properly installation



2.5 Connect the servo wire of skip landing



2.6 Installation finished

3 Assemble camera holder



3.1 Prepare camera holder



3.2 Assemble in the front



3.3 Tighten the screws

4 Assemble G-2D gimble



4.1 Prepare G-2D



4.2 Chute to camera fixing board



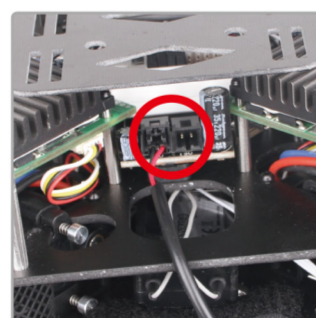
4.3 Assembled



4.4 Prepare the gimbal power cable (the cable only for G-2D)



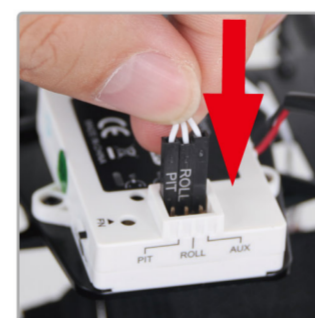
4.5 Insert the black side of power cable to port of power board



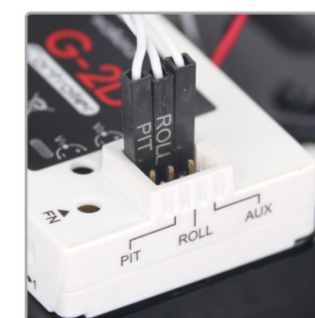
4.6 Inserted



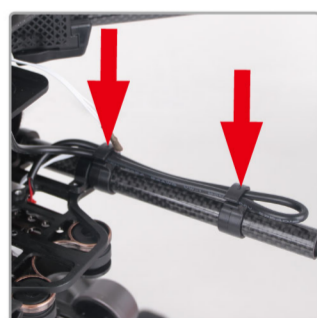
4.7 Insert the white side of power cable to port of gimbal controller



4.8 Insert into signal wire according to correspondent port (the first core)



4.9 Inserted



4.10 Fix the power cable

5 Install iLook camera



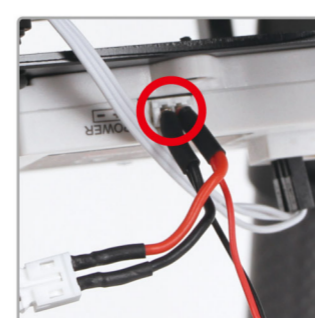
5.1 Prepare iLook camera



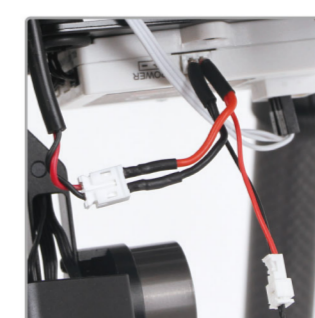
5.2 Install iLook camera



5.3 Connect power wire



5.4 Connect gimble controller



5.5 Finishing wiring



5.6 Installed

6 Install Canopy and GPS module



6.1 Prepare GPS module, support tube, canopy



6.2 Put the support tube into the fixing block to fix.



6.3 Put the GPS signal cable and support tube through the canopy and then install the canopy



6.4 Mount the GPS module to the top of the support tube and fix it.



6.5 Connect the GPS signal and insert GPS module port

7 Propellers Installation



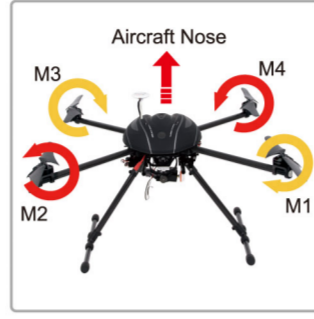
7.1 Prepare propellers



7.2 Take off the fixed crews of propeller



7.3 Install propeller (rotating mark must match with body)



7.4 Finished installation

8 Code binding



8.1 Connecting the battery



8.2 Turn the MIX/FMOD/GEAR switch to "0" position and keep the throttle at the lowest position then turn on the Radio



8.3 For safety, please follow the blew steps to connect/disconnect the power. Please connect the black connectors first and disconnect the red connectors when connecting the power; Please disconnect red connectors first and the black connectors later and when disconnecting the power.



8.4 The red LED flash till light off means code binding successful

9 Compass Calibration

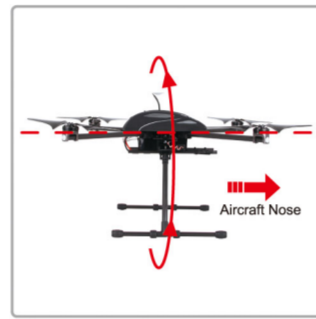
Please inspect the motors lock or not before calibration (the red LED indicator light out). The factory default setting for the motors are locked after finished ID binding (details for motor unlocking and locking method, refer to 10, 11).



9.1 Enter compass calibration



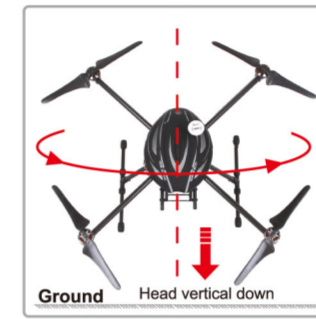
9.2 Forward & backward 360° rotation (Rotate the aircraft, from 0° to 90°, 180°, 270°, 360°, all need to pause for 1 second.)



9.3 Leftward & rightward 360° rotation (Rotate the aircraft, from 0° to 90°, 180°, 270°, 360°, all need to pause for 1 second.)



9.4 Horizon level 360° rotation (Rotate the aircraft, from 0° to 90°, 180°, 270°, 360°, all need to pause for 1 second.)



9.5 Vertical direction (Head down) rotation 360° (Rotate the aircraft, from 0° to 90°, 180°, 270°, 360°, all need to pause for 1 second.)



9.6 The red LED flash quickly till light out which means calibration finished. Please reconnect the aircraft power after calibration.

Attention:

After calibration, first time taking off, the aircraft may drift in the sky, please just ignore that, and meantime the system will do compass calibration automatically. After 3-5 minutes flight, please land the aircraft on the ground and hold the motor in order to save calibration parameter.

10 Motor Unlock

Once binding, push the throttle stick to the lowest position and keep the throttle trim at the neutral position. Then push the rudder stick to the far left side and the red LED indicator turn solid red, that means motors are unlocking. If you push the throttle up, the motors will rotate. (Note, the motors can unlock only under manual mode)

Notes: After unlock, the motors would get into lock status after 10 seconds.



Mode 1 (throttle stick on the right)



Mode 2 (throttle stick on the left)

11 Motor Lock

Down the throttle stick to the lowest position, move the rudder stick to far right, the motors are locked when the red LED indicator light out. If you push the throttle up, the motors won't rotate. (Notes: The aircraft is in Motor lock status after Code binding successfully).



Mode 1 (throttle stick on the right)

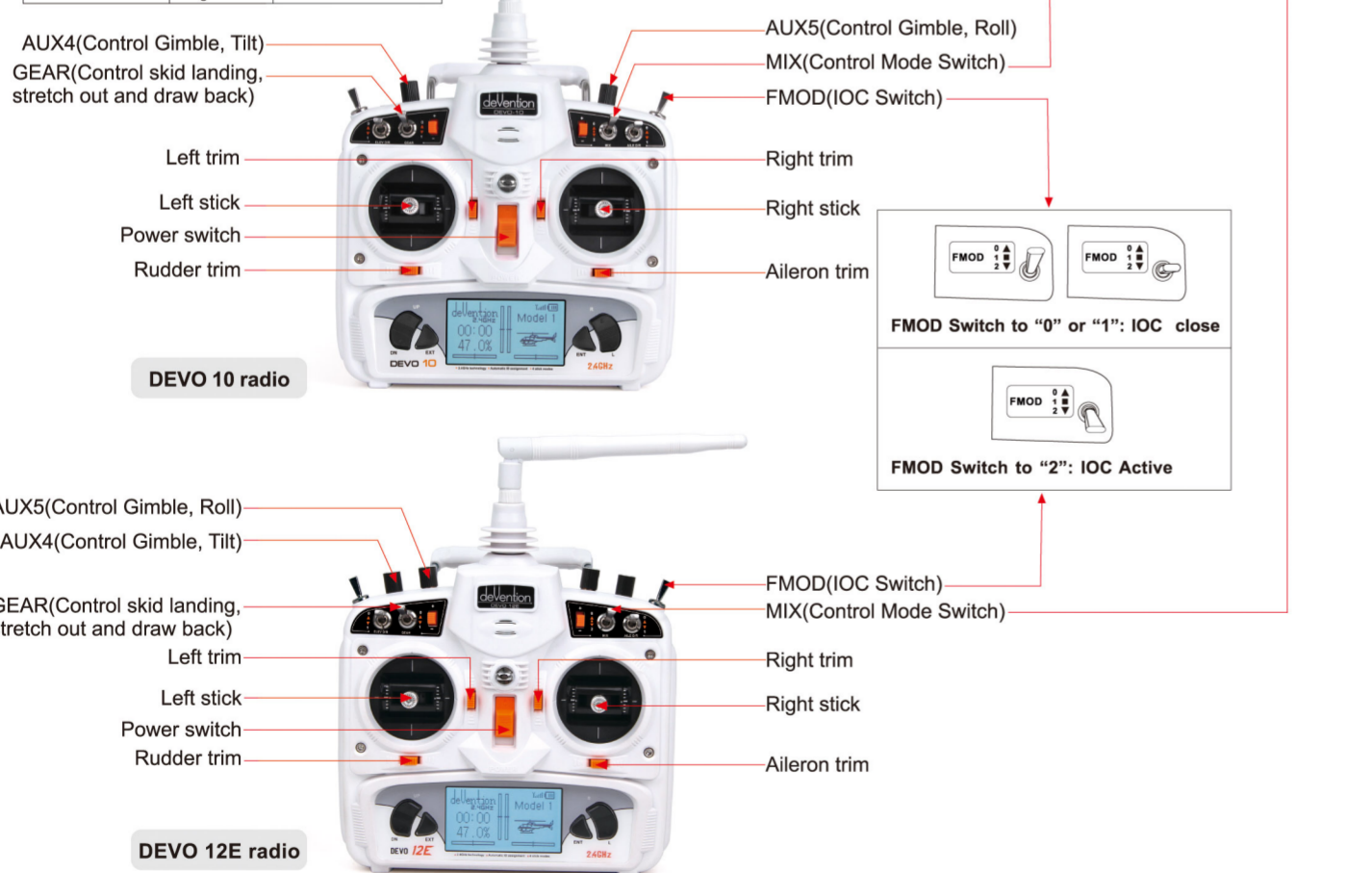


Mode 2 (throttle stick on the left)

12 DEVO 10/12E panel illustration

Mode 2 (Throttle stick on the left)	Left stick	THRO/RUDD stick
	Right trim	ELEV/AILE stick
	Left trim	THRO trim
	Right trim	ELEV trim
Mode 1 (Throttle stick on the right)	Left stick	ELEV/RUDD stick
	Right stick <td>THRO/AILE stick</td>	THRO/AILE stick
	Left trim	ELEV trim
	Right trim	THRO trim

(1) Manual Mode	(2) Position Hold Mode	(3) One Key Go Home
MIX Switch to "0"	MIX Switch to "1"	MIX Switch to "2"



13 Manual flight control

Transmitter	Aircraft (← is the nose direction)	Manual/ GPS Mode				
<table border="1"> <tr> <th>Mode 1</th> <th>Mode 2</th> </tr> <tr> <td></td> <td></td> </tr> </table>	Mode 1	Mode 2				<p>Throttle stick: control the aircraft lifting direction, keep the same altitude at neutral position. Push up the throttle stick, the aircraft flying high, push down the throttle stick, the aircraft flying down. Active the aircraft, the aircraft will not fly until pushing up throttle stick to surpass the middle position(do not move the stick too much in order not to fly the aircraft too fast)</p>
Mode 1	Mode 2					
<table border="1"> <tr> <th>Mode 1/Mode 2</th> </tr> <tr> <td></td> </tr> </table>	Mode 1/Mode 2			<p>Rudder stick: control the aircraft yaw direction. Push the left rudder stick, the aircraft counter clock wise rotate, push the right rudder stick, the aircraft clockwise rotate.</p>		
Mode 1/Mode 2						
<table border="1"> <tr> <th>Mode 1</th> <th>Mode 2</th> </tr> <tr> <td></td> <td></td> </tr> </table>	Mode 1	Mode 2				<p>Elevator stick: control forwarder and backward, push up the Elevator stick, the aircraft flying forwarder; push down the Elevator stick, the aircraft flying backward.</p>
Mode 1	Mode 2					
<table border="1"> <tr> <th>Mode 1/Mode 2</th> </tr> <tr> <td></td> </tr> </table>	Mode 1/Mode 2			<p>Aileron stick: control left and right, push the left Aileron stick, the aircraft flying towards left direction; push the right Aileron stick, the aircraft flying towards right direction.</p>		
Mode 1/Mode 2						

14 The flowchart of GPS satellites signal(need to connect with GPS module)

GPS Satellites	<6	6	7	8	9	10	11	12	13
The Blue LED status	No blinking	Blinking once	Blinking 2 times	Blinking 3 times	Blinking 4 times	Blinking 5 times	Blinking 6 times	Blinking 7 times	Blinking 8 times

Suggestion: For GPS mode flight, the blue LED indicator should blink over 2 times.

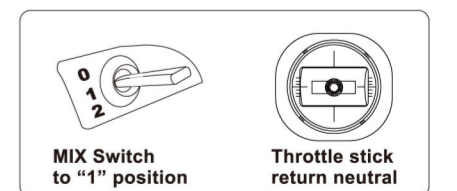
15 Position Hold

● GPS function and signal are both in good condition(the blue LED indicator should blink over 2 times).

● Compass should be calibrated well. And the throttle trim, elevator trim, aileron trim, and rudder trim at the neutral positions.

● Position Hold Setup:

When toggle the MIX switch to "1" position(don't move other sticks) during flight under manual mode, it means the QR X800 entered Position hold mode. Please keep the throttle stick at neutral position under this mode. If GPS signal lost, the aircraft will enter into altitude hold mode.



16 One Key Go Home

● GPS function and signal are both in good condition(the blue LED indicator should blink over 2 times).

● Compass should be calibrated well. And the throttle trim, elevator trim, aileron trim, and rudder trim at the neutral positions.

● One Key Go Home Setup:

When toggle the MIX switch to "2" position(don't move other sticks) during flight under manual mode, it means the QR X800 entered One Key Go Home. Please keep the throttle stick at neutral position under this mode.



17 Stretch out and draw back of skid landing

● Under the manual mode and altitude hold mode, switch GEAR to position "0" means stretching out the skid landing, switch GEAR to position "1" means drawing back.

● The skid landing will stretch out and draw back automatically under one key go home mode until return flight ended, which is unrelated with GEAR switch position. (when enter the one key go home mode, the GEAR switch will be useful within 5sec, unuseful over 5sec.)

