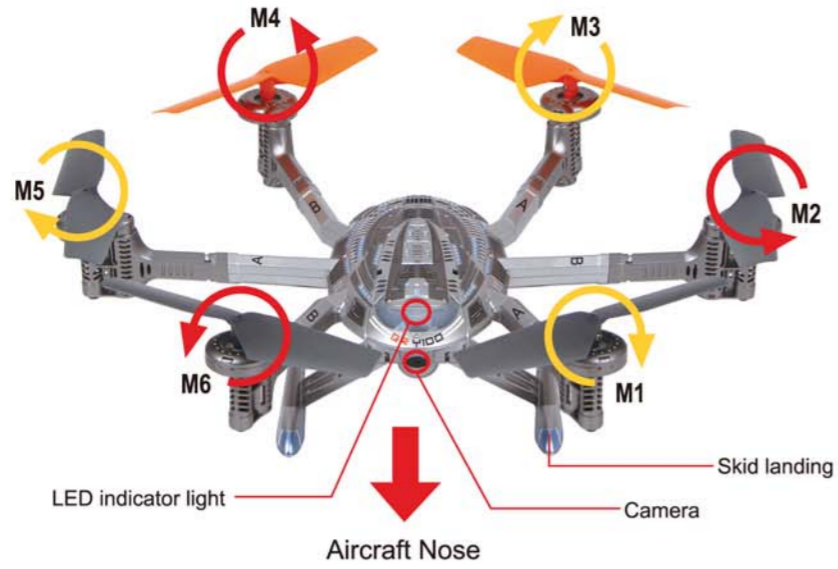


# 1 Introduction

## Specifications:

- Main Rotor Dia. : 105mm
- Overall (L x W x H): 222 x 252 x 93mm
- Takeoff Weight: 146g(Battery included)
- Gyro: Six-Axis
- Receiver: RX2650H-D
- Drive Motor: HS-8520
- Battery: 3.7V 1600mAh Li-Po



## Features:



# QR Y100

- Altitude hold mode
- One key to start/land mode
- Follow me mode
- IOC mode
- One key to go home mode
- Flight time 15mins



# 2 Package



# 3 Assemble



## Flying Flowchart and Quick Start Guide

# 4 iRemote Software Control (Android/ IOS system)

## 4.1 Software Installing

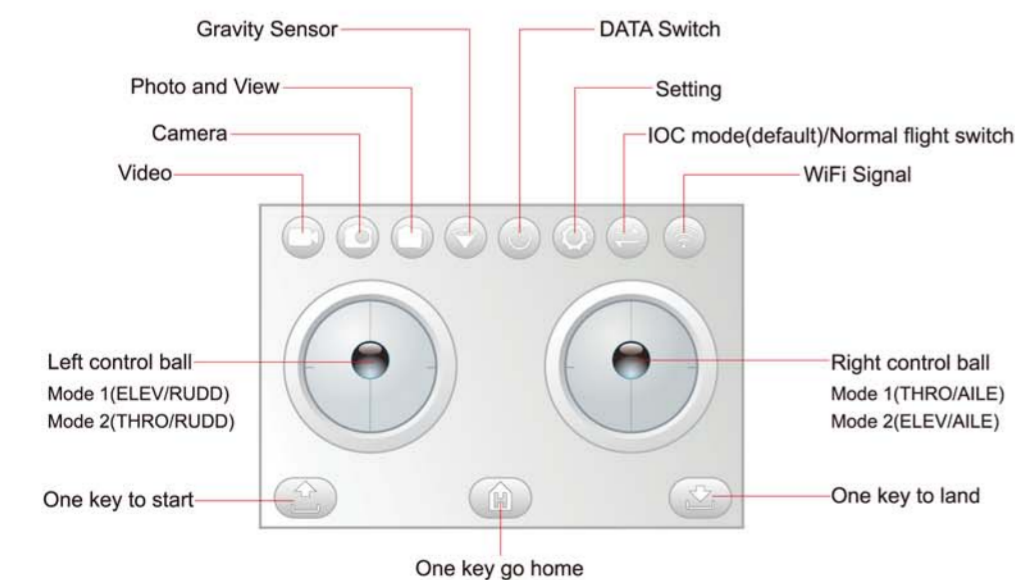
- Please download the "iRemote" software on Walkera homepage(www.walkera.com) / Google for Android version 2.3 above.
- Apple IOS system, please download the "iRemote" software from APP Store.

## 4.2 Connecting instruction

- Power on the aircraft, and then receiver red indicator blinks fast, which means it is searching for smart phone signal.
  - Open "Wifi" in your Phone Setting option, find out WK\*\*\*\*\* in your wifi list and connect it, until "connected" appears that means successful connection. Exit setting after finished.
  - Open iRemote software in your Phone, touch **start** icon to enter into control interface. Touch **start** icon to active data transfer switch, meantime, Gravity sensor switch is active by default.
- Receiver flashing indicator turn red to blue, real-time image will be showed on the Phone screen, which means code pairing is successful.



## 4.3 Control Interface Instruction



## 4.4 Compass calibration

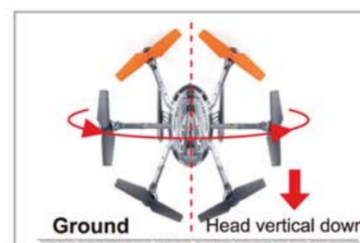
DATA switch must be "open" state and then touch **start** icon, slide up compass calibration interface.



## (1) Aircraft compass Calibration: turn on the Aircraft Calibration



**Chart 1:** ON is Start, the aircraft indicator will blink red or blue alternately, then enter into calibration mode.



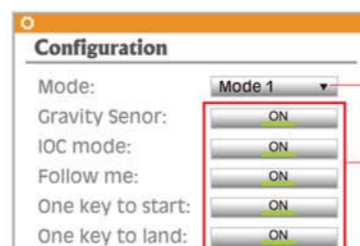
**Chart 3:** Rotate the aircraft 360° smoothly and slowly at vertical direction (Head down)



**Notice:**

- After Take-off, please re-calibration the compass if aircraft flight deviation occurs.
- Please keep away from other Wifi signal sources and strong magnetic fields during your flight or calibration.

## 4.5 Function Instruction



The default setting for control switch is "ON"

- One Key to Start:** Touch **start** icon, the Y100 will automatically fly around 1 meter height level. Slide Throttle control ball up to ascending the model if continuous high is needed, release the throttle control ball and it will automatically return to middle position, the model will automatically keep hovering at that height level.
- One Key to Land:** Touch **land** icon during your flight, the model will land automatically. If hold the throttle ball and move up, one key to land function will be invalid.
- One Key Go Home:** Touch **home** icon during your flight, the model go back toward the phone direction automatically. When the model fly over your head, you must immediately turn round, and make your phone face to the model. Otherwise, the aircraft will continue to fly. During return flight, phone inclines forward about 45°, One key Go Home mode will be invalid automatically.
- Follow me mode:** Under One key go home mode, aircraft will follow the phone automatically.



**Chart 2:** Rotate the aircraft 360° smoothly and slowly at horizontal direction



**Chart 4:** Blue light flashes means calibration is successfully, and then put the aircraft at horizontal place.



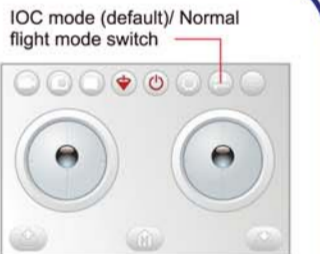
Smart phone compass should be calibrated according to "8" movement.

## 4.6 IOC mode/Normal flight mode Shift

Touch **mode** icon to enter into switch, the blue LED turns solid is normal mode, the blue LED blinks is IOC mode.



The forward control of the aircraft has no relationship with the aircraft nose under IOC mode.



## 4.7 Operation Instruction

Model( ← is the nose direction)	Mode 1	Mode 2
<b>Up/down</b> 		
<b>Forward/backward</b> 		
<b>Left-leaning/right-leaning</b> 		
<b>Head direction is horizontal level</b> 		
<b>Hovering</b> 		
<b>One key to start</b> 		
<b>One key to land</b> 		
<b>One key go home</b> 		
<b>Follow me mode</b> 		

## 5 DEVO-4 radio control(option)

### 5.1 Panel Sketch



Mode 1(throttle stick on the right)



Mode 2(throttle stick on the left)

### 5.2 DEVO-4 radio reverse setting

ELEV	NOR	Remark: the switch in the "ON" position for reverse (REV); the switch in the "ON" reverse position for normal (NOR).
AILE	NOR	
THRO	NOR	
RUDD	NOR	



### 5.3 Code binding



Chart 1: connect the battery of the radio



Chart 2: Pull down throttle control sticker to the lowest position and then turn on the radio.



Chart 3: connect the battery of the aircraft



Chart 4: The red indicator light solid, which means the code pairing is successful.

### 5.4 Compass Calibration



Chart 1: Enter into compass calibration, aircraft indicator will blink red and blue alternately

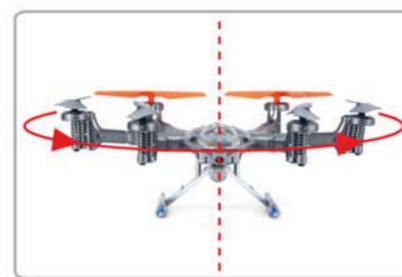


Chart 2: Rotate the aircraft 360° smoothly and slowly at horizontal direction

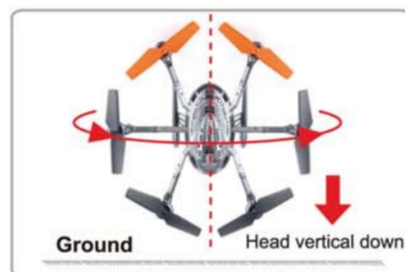


Chart 3: Rotate the aircraft 360° smoothly and slowly at vertical direction (Head down)



Chart 4: The red indicator light solid means calibration is successfully, and then put the aircraft at horizontal place.

### 5.5 Normal flight mode / IOC mode Shift

- Normal flight mode is default setting once the code pairing is successful.
- Rotate elevator rocker 360° to enter switch. the red signal light solid means normal flight mode. the blue signal light flashes means IOC flight mode.



Mode 1(throttle stick on the right)



Mode 2(throttle stick on the left)

Remark: Please select flight mode before take-off your aircraft and do not shift flight mode during flight.



The LED indicator light

### 5.6 Operation Instruction

Model(← is the nose direction)	Mode 1	Mode 2
Up/down		
Forward/backward		
Left-leaning/right-leaning		
Head direction is horizontal level		

### 5.7 IOC flight mode



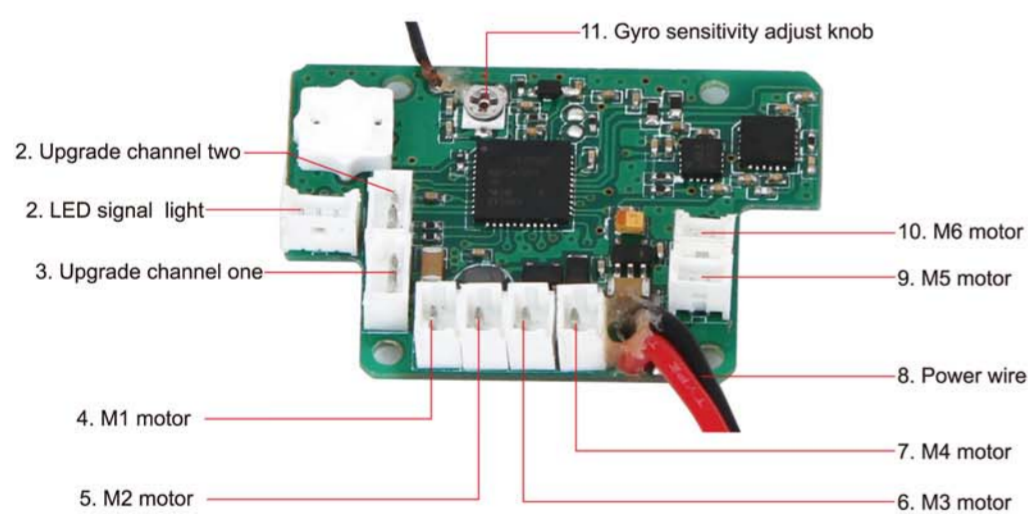
The aircraft flight direction related with original start binding direction only. Unrelated with aircraft nose direction.

Remarks: for the sake of effective operation. be sure that the control direction points at aircraft.

## 6 Receiver RX2650H-D

### 6.1 Features of receiver

- Receiver RX2650H-D adopts 2.4G spread spectrum technology with the functions of automatic scanning, code pairing indication.
- Integrated design of 6-Axis gyro stabilizing control system provides precise locating.

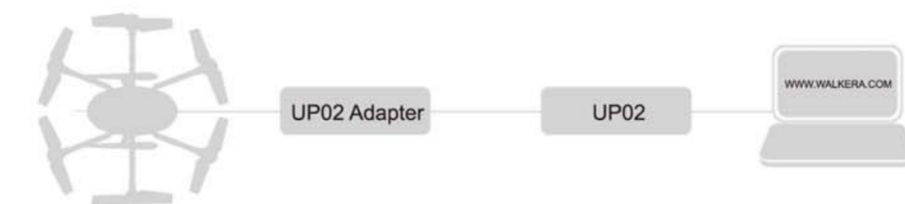


### 6.2 Function of receiver

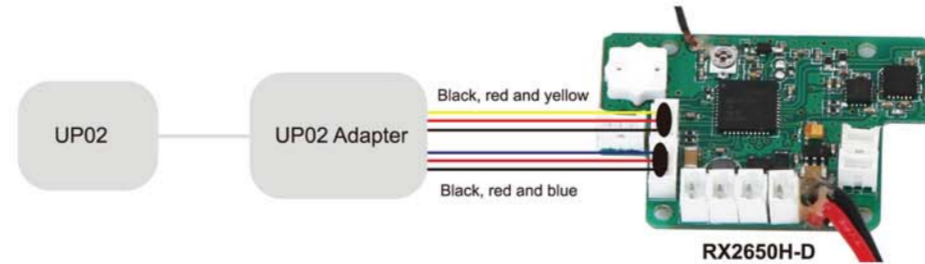
S/N	Full name	Function	Connection
1	Upgrade channel two	Upgrade spare or insert the bind plug to clear the ID memory	Terminal is facing left.
2	LED signal light	Connect to the LED signal light wire.	Terminal is facing front.
3	Upgrade channel one	a. Upgrade spare; b. Connect to the WiFi module signal wire;	Terminal is facing left.
4	M1 motor	Connect to the M1 motor wire.	Terminal is facing right.
5	M2 motor	Connect to the M2 motor wire.	Terminal is facing right.
6	M3 motor	Connect to the M3 motor wire.	Terminal is facing right.
7	M4 motor	Connect to the M4 motor wire.	Terminal is facing right.
8	Power wire	Connect to the lipo battery.	
9	M5 motor	Connect to the M5 motor wire.	Terminal is facing front.
10	M6 motor	Connect to the M6 motor wire.	Terminal is facing front.
11	Gyro sensitivity adjust knob	Adjust the gyro sensitivity of the front/back /left/right /tail	

### 6.3 Adjustment of receiver

- Adjust knob of the gyro: CW rotating increase the sensitivity of the Gyro, CCW rotating decrease the sensitivity of the Gyro. The default setting is Middle, generally there is no need to trim.
- Clear fixed ID of receiver: Insert plug terminal into upgrade channel two of the receiver to connect the power, the red LED slowly flash means RX fixed ID has been cleared, last disconnect the plug terminal.
- Receiver upgrade:
  - QR Y100 control program upgrade can be downloaded online at Walkera Official Website: [www.walkera.com](http://www.walkera.com).
  - QR Y100 control program upgrade tool includes UP02 cable and UP02 Adapter.



- Plug the three colored cable (black, red and blue) into upgrade channel one and plug the three colored cable (black, red and yellow) into upgrade channel two (fixed ID may clear after upgrading).



### 6.4 Matters needing attention

- All cables have to be connected correctly. otherwise, the aircraft can not fly normally.
- Please use special adjustment pen to rotate the gyro tuning knob in order to not damage the knob.
- The QR Y100 must be still and place in a horizontal position when matching code.

## 7 Instruction for GA006 Charger

- GA006 is suitable for 1 cell (3.7V) Li-ion or Li-polymer battery and can charge 2 pieces of batteries maximum at the same time.
- Please plug the pin of your battery into the jack of the GA006 first and then connect to the power. Otherwise, the LED may not become red and the voltage may be higher than 3.8V. You need to disconnect the USB power supply and reconnect it.
- When USB power supply is well connected and battery is charging, the LED will become red. After your battery is full charged, the LED will not become red.

## **FCC Information**

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

- (1) This Device may not cause harmful interface, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for CLASS B digital device, pursuant to part 15 of FCC Rules. These Limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, users can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment dose cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try contact the interference by one or more of the following measures:

- 1.1 Reorient or relocate the receiving antenna.
- 1.2 Increase the separation between the equipment and receiver.
- 1.3 Connect the equipment into an outlet on a circuit different from that two which receiver is connected.
- 1.4 Consult the dealer or experienced radio/TV technician for help.

## **WARNING**

Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

## **RF exposure statement**

This module meets the requirements for a mobile device that may be used at separation distances of more than 20cm from the human body.