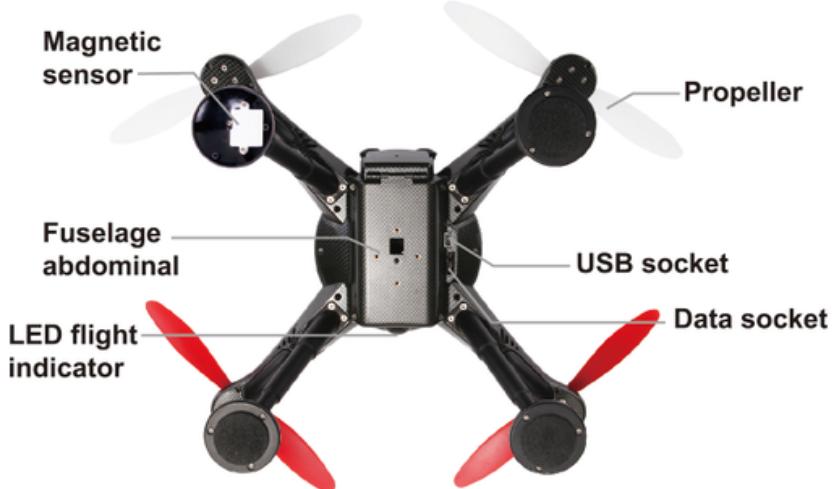




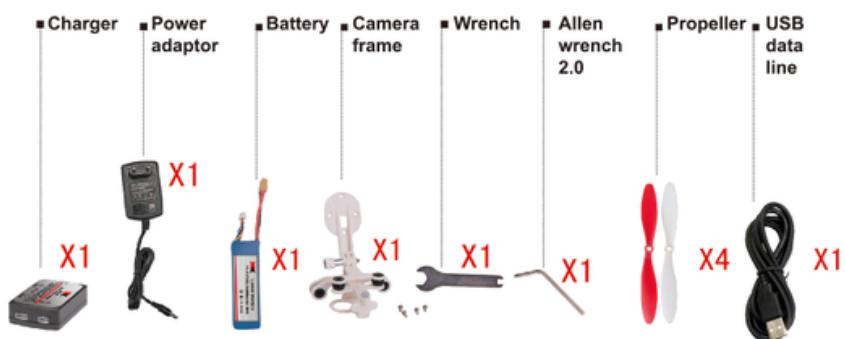
**XK**<sup>TM</sup>  
**DETECT X380**  
**Quick Start Manual**

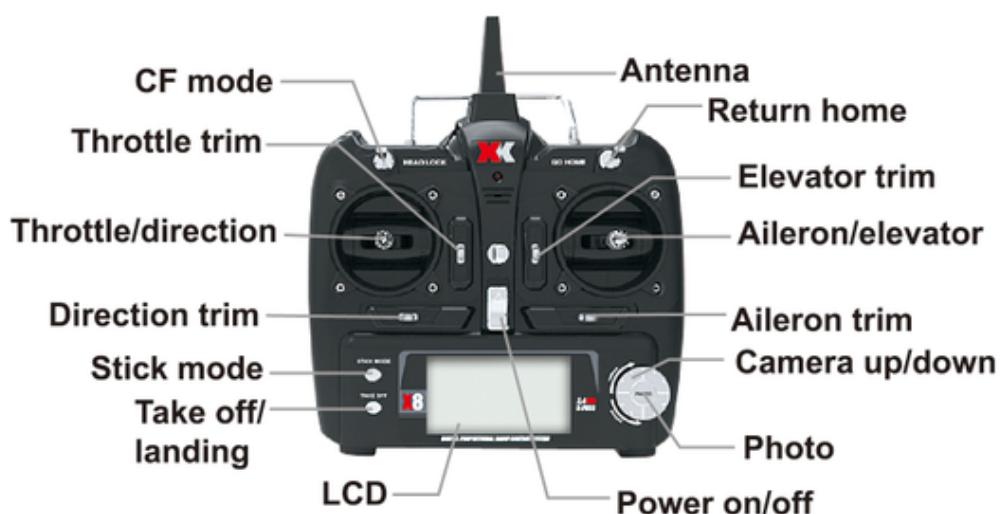




# X380

## Configuration

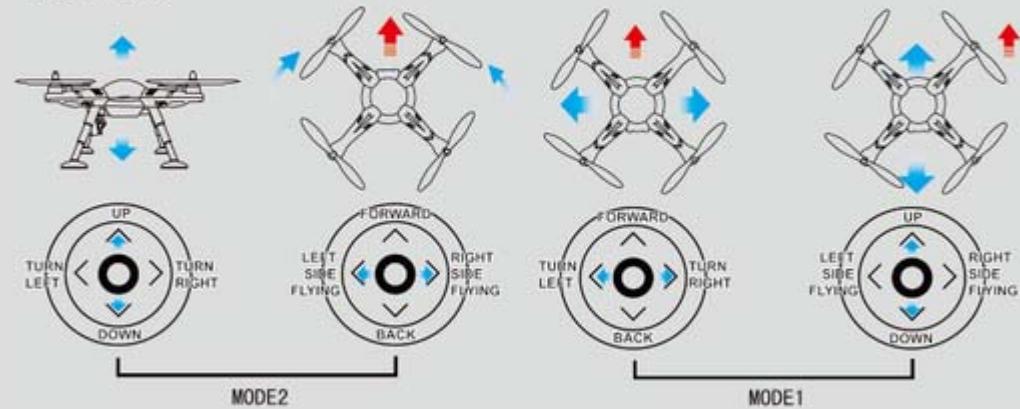




## BASIC FLIGHT OPERATION

### ➡ Before flying (front direction)

The transmitter is Mode 2 when it comes out from factory. Change mode1 to mode 2 by multi-function button on the transmitter. Mode 3 and mode 4 is useless.



## Quick Start Manual

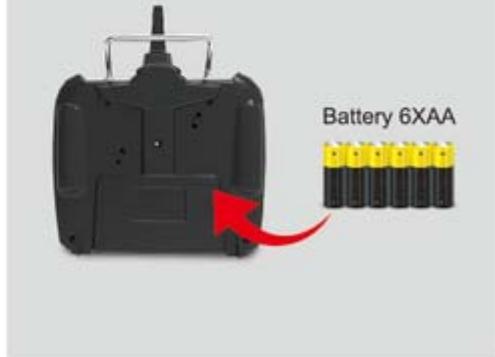
### 0 Propeller installation

- Before assembling the propellers, please take down the hoop on the motor. Fix it by using the propeller hoop after well loading.
- Hold the motor by hand or wrench, insert a 2.5mm diameter rod into the hole of the propeller hoop. Fix it by rotating the blades as the reversing direction of the arrow shown. Rotate it as the arrow direction to disassemble it.
- Cautions:** The propellers should be correctly assembled. Make sure the rotating direction of the blades should be the same as the rotating direction of the motor.



### 1 Assemble the transmitter

- Open the battery cover on the back of Transmitter, load 6s "AA" batteries.
- Caution:** When Indicator light is flashing and display low voltage on the LCD, please change the batteries.



## 2 Transmitter using

> CF mode and Return home functions is on "0" position. Left/Right stick is on the natural middle position. Turn on Transmitter, indicator will be eternal ON and LCD will be on as well, then your transmitter can be used normally.



## 3 Binding

> The transmitter and the quadcopters have made decoding before come out of factory. Just charge and you can use it.  
> You need to rebind when change a new transmitter. Turn on the transmitter, then put battery into the quadcopter. Wait till the red indicator light is eternal, Then decoding is successfully finished.



## 4 Battery charging and usage

> First, connect the standard adaptor with the charger, insert the adaptor plug into the normal socket, then the red indicator light will be on.  
> Load the battery into the 3S socket on the charger, the red indicator will be flashing and start charging. If the red indicator is shown eternal ON, it means that the battery is fully charged. Please remove the battery and finish charging.



## 5 Start your first flight

> Put your quadcopter on the flat ground, and make sure the flying indicator is pointing to yourself.  
> Switch on transmitter and then connect battery with the quadcopter.  
> After put the battery into the quadcopter, wait till the red and yellow light quick flashing turns red and green lights slow flashing or green lights slow flashing(have GPS), then move the sticks as the following picture to start the motors rotating. Push the throttle stick to take off.

**⚠ Caution:** After landing the ground, pull the throttle stick on the bottom for 2-3 seconds to turn off the motors.



## 6 Led flying indicator

When put into the battery		Red and yellow light keep flashing	● ● ● ● ● ●
Half-safe flying	Red and green light keep flashing slowly	No GPS signal, or GPS signal is less than 6 stars	● ● ○ ○ ● ○
Safe flying	Green light will be flashing slowly	It has GPS signal and more than 6 stars	● ● ○ ○ ● ○
Heading lock	2 green and 1 red indicators	No GPS signal	● ● ● ● ● ●
Heading lock	2 green indicators	Has GPS signal	● ● ● ● ● ●
Auto-return	Red light is eternal ON	Has GPS signal	● ● ● ● ● ●
OFF control and return	Red light will be	Has GPS signal	● ● ● ● ● ●
Over manipulated value	Yellow lights will be on	Reduce the manipulated value	● ○ ○ ○ ○ ○
First level low voltage protection reminder	Red indicator fast flashing 2 times		● ● ○ ○ ● ○
Second level voltage for safely landing reminder	Red indicator fast flashing		● ● ● ● ● ●



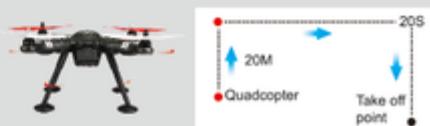
## 7 Safe flying

› The quadcopter is equipped with GPS. When fly out door, please choose a spacious area where there is no high-rising building nearby and also keep it far away from the magnetic place so as to get the GPS signal more quickly. Load the battery into the quadcopter, wait till red and green light slow flashing, more than 6pcs GPS stars, cooperating with magnetic sensor, then you can fly very safely and reach precise location function.



## 8 Return home

- › Pull return button after quadcopter is more than 20m.
- › Red light will be eternal ON, it will hover 2-3 seconds, climbs 20m height, and then return home.
- › Hovering for about 20 seconds on the overhead of take-off point, then start to land. The motors will stop to rotate after landing.
- ⚠ Cautions: Start return home function must meet these 2 requirement:GPS is in good situation and more than 6pcs satellite (Green indicator light is slowly flashing).



## 9

### One key take off / one key landing

- > X380 has one key take off and landing functions. You need to connect the battery with the quadcopter, wait till self test finishing.
- > One key take off: press take off button for 2 seconds to start the motors rotating. Loose take off button, then it will climb 1m.
- > One key landing: press take off button for 2 seconds during flying, then red indicator will quick flash. You can see it will enter landing process. Motor will stop to rotate after landing on the ground.(One key landing will let the quadcopter land at the current flying position, it can not let the quadcopter return home.)
- > Release one key landing function: Throttle up during one key landing process, will release one key landing function.

⚠ Caution: One key take off and landing functions are not suitable to operate Indoor.



## 10

### Head lock mode

- > Switch the head lock switch at "1" position during normal flying.
- > The flying indicators of the quadrocopter will appear 2 green lights and 1 red light (without GPS signal) or 3 green lights (with GPS signal).
- > This time the quadrocopter has no obvious definition on where is header tail. No matter the quadrocopter in the position of which angle, we all think that the direction for taking off is the head of the quadrocopter when pulling the control lever.
- > Before switching off the heading lock switch, please rotate the tail and point to your position first, otherwise it will easily make you feel confused about the direction.

⚠ Caution: Do not use in magnetic conditions. Please re-trim the magnetic sensor when change a new outdoor venue.



## 11

### Caution

- > This product is not a toy. Before flying, please read the manual carefully or under the guidance of the experienced players.
- > The blades of the propeller should be correctly assembled. Otherwise you won't fly it.
- > When you change a new ground or need to take it far away from the flying ground you have flied for last time, you need to re-trim the magnetic sensor.
- > If there is no GPS signal (without green light flashing slowly), please do not conduct auto-return operation.
- > If there is low-voltage alarming, please land your quadcopter as soon as possible.
- > During the process of flying, if you keep lasting control operation, it may show the reminding yellow light to remind you of insufficient power and this time please reduce the times for operating the joystick.
- > The broken blades of propeller may affect the flying, please replace the broken one timely.



## 12

### Trim the magnetic sensor

- Under the mode of heading lock, if there is any channel out of order, you need to re-trim the magnetic sensor.
- When you change the flying ground or take it far away from the flying ground for last time, we do recommend you re-trim your magnetic sensor.
- Magnetic sensor may be easily affected by the change of the magnet or interfered by the electronic equipment, which result in abnormal data or easily causing the flying accident. Trim the magnetic sensor often helps keep the best working state.
- Switch on the transmitter, place your quadcopter on the flat ground and wait for the self-decoding.
- When finish self-decoding, the signal will turn from red and yellow quick flashing to red green slow flashing, please pull the throttle lever to the bottom and pull the head lock switch for 3 times, this time the signal will appear eternal green light. Please trim the horizon direction first.
- Take the quadcopter, walk 2 circles, and then put it on the flat ground. Pls make sure the quadcopter always in horizontal direction and green lights eternal ON during doing these actions.
- Pull the throttle lever to the bottom, and then pull the head lock for 3 back and forth, then the signal light will be OFF. Hold the quadcopter vertically, flying indicator lights up, red lights will be on. Keep vertically and red lights eternal on to walk 2 circles. After above actions, put the quadcopter on flat ground to finish vertical trimming.
- Place the Quadrocopter in horizon and then pull the throttle lever to the bottom, pull the head lock switch 3 back and forth and the green light will be ON, to preserve the data, wait till the red light and green light alternatively slow flashing or green light slow flashing, to finish preserving the data and then you can control the lever and go ahead with your flying.

⚠ Caution: If there is yellow and red light flashing alternatively, it represents the trimming is a failure. Please repeat the steps mentioned above until the horizontal and vertical trimming is successfully. Otherwise it may affect flying. If green light is OFF, please repeat the rotation.



## 13

### Trim the control lever of the transmitter

- It can reduce or resolve the discrepancy when operating the control stick ,which helps enhance the accurate control operation.
- Switch on the transmitter and load the batteries into the quadcopter,wait until the self-decoding is finished and the red and green light will be flashing slowly.
- Pull the throttle lever to the lowest position and then the direction lever to the right side, successively pull the auto-return switch for 6 back and forth,the signal will turn from red light eternal ON to quick flashing red light. Quickly pull the control levers on both sides for one circle so as to reach the maximum of minimum position.
- Release the joystick to let the control stick return to the middle position , the red light will turn from quick flashing into red and green light slow flashing or green light slow flashing (with GPS),this time the trimming is successfully finished.



## 14

### Load the camera and the frame

- First of all,please fix the camera frame by using M3X6 inner hexagonal screw.
- Load the camera into the camera case and then fix it by using the self-spinning screw.
- Load the camera case into the camera frame by the self-spinning screw.Adjust the angle of the camera according to your own requirement. When the angle has been confirmed by you,please lock tightly by the self-spinning screw.

⚠ Caution:

- This camera hanging rack only can be used for XK brand standard and Gopro 3.It can not be loaded any other cameras in the market.
- When using Gopro 3 camera,you can not open the WIFI as they are all 2.4G ,which may bring big interference to the quadrocopter and cause flying accident.



Caution: The user is cautioned that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. ↵

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. ↵

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment ~~generates, uses and 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 does 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 to correct the interference by one or more of the following measures: ↵

-- Reorient or relocate the receiving antenna. ↵

-- Increase the separation between the equipment and receiver. ↵

-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. ↵

-- Consult the dealer or an experienced radio/TV technician for help. ↵



Shenzhen XK Innovalions Technology Co., Ltd.