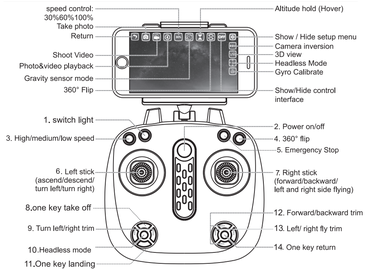
AGE: 14+

6-AXIS DRONE INSTRUCTION MANUAL (YK023)



Unlock/Start Motors & Stop Motors

Before flying you must unlock/start motors by pulling both controller sticks down and to the outside corners

CONTROL INTERFACE

*NOTE: Control's and functionality of the interface may vary for different models. Accordingly there is no flight path,voice control or fish-eye function.

FUNCTION KEYS & NAME DESCRIPTION

Serial Number	Function keys / Names	Function / Effect
1	Lights	Turn on/off the lights of drone.
2	Power ON/OFF	Short press to turn on/off the remote controller.
3	Speed	High/Medium/Low Speed, 1 beep = low speed, 2 beeps = medium speed, 3 beeps = high speed.
4	360° Flip	This button activates 3D flip function.
5	Emergency Stop	Press this key to stop the drone when in a Emergency.
6	Left stick	Up/down, turn left/right.
7	Right stick	Forward/backward, left/right fly.
8	One Key take off	After starting drone motors, press this key and then the drone will fly up.
9	Turn left/right Trim	If the drone automatically left (right) rotation, press right (left) trim to make it normal.
10	Headless mode	Press this key to enter into headless mode function
11	One key landing	After starting motors, press this key and then the drone will land
12	Forward/backward trim	If the drone moves forward (backward) without any operation , press the trim button backward (forward) correspondingly , it can make it normal flying.
13	Left/ right fly trim	If the drone moves left (right) without operation, press right (left) trim button correspondingly.
14	One Key return	Short press, this makes drone fly backward from direction it is facing

Note: Before one key take off/landing, you have to pairing the drone and controller, start motors, and then you can press "one key take off/Landing" key, or push left stick up, then it can take off.

WIFI APP INSTRUCTIONS (This feature with WIFI-only version of the Drone)

1.SOFTWARE DOWNLOAD AND INSTALLATION:

Available on the App Store
Apple Store search **GX-FPV**
(Please scan this QR code to install this software).

ANDROID APP ON Google play
Google play search **GX-FPV**
(Please scan this QR code to install this software).

2.INSTRUCTIONS:

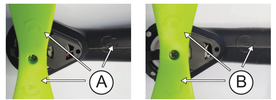
Turn on the power switch of the Drone, and then access "SETTINGS" on your mobile, open "WIFI" and find the "WiFiUFO" which corresponds to GX-FPV for connecting. When the link is successfully connected, please exit from your Settings Option. Open the same software "GX-FPV" on your mobile and then click the "PLAY" icon to access the control interface to for controls.（Please keep away from other WiFi signals as far as possible when flying.）

INCLUSIONS

Drone | Remote control | USB Charger | Li-Polymer battery | Crash guard | Main blade

ASSEMBLY

Some assembly is required, There are two kinds of blades styles that need to mount to appropriate arms of the Drone. The arms and blades are labelled A and B. Match the correct blade to corresponding arm for the Drone to fly correctly.

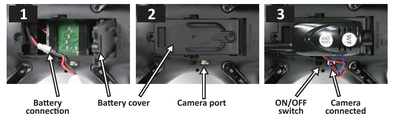


INSTALLING THE BATTERY AND CAMERA

1. Open battery cover on the drone and attach battery (Figure 1) then close cover and secure with screw

2. Attach camera by sliding into groove on battery cover (Figure 2) and connect 3-pin plug into camera port on the side (Figure 3)

3. Once battery and camera are attached turn the ON/OFF switch on the Drone to the ON position for connection to controller



REMOTE CONTROL BATTERY INSTALLATION

1.Remove the battery cover from the back of controller (Fig. A)
2.Install 4 "AA" batteries into the controller, make sure to install batteries to their correct polarity. (Fig. B) Do not mix old and new batteries or battery types.
3.Replace the battery cover

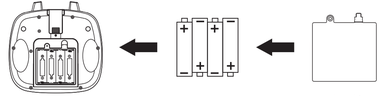


Fig.A | 4"AA"Batteries(Not Included) | Fig.B

INSTRUCTION FOR LITHIUM BATTERY CHARGING

① Open the battery cover of Drone. Take out the lithium battery of the Drone from battery case.
② Plug the USB charger into the power supply, and connect charger cord socket with lithium battery socket. When charging, the USB LED light turns red. When the charger LED light turns off , charging is complete, Charging time is approximately 70-80 minutes.
③ Connect the battery plug with the circuit board plug after charging. Please pay attention to the correct polarity.
④ Close battery cover of Drone.

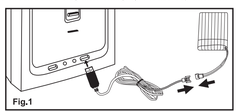


Fig.1

Attention:

1.Make sure the voltage of the USB charger fits the local electricity supply.
2.The Charging plug will overheat if overcharged. Please stop charging immediately as it may cause damage to the battery.
3.Do not leave the battery unattended when charging.
4.Do not use other chargers other than the one supplied in consideration of safety.
5.Recharge the battery 30 minutes later after flying, because the battery temperature could be too high when flying and charging immediately could damage the battery.
6 Do not dispose of the battery in a fire
7.Fully recharge the battery after use / before storing drone.

PREPARATION FOR FLIGHT:

1. Please operate the drone in a spacious indoor or outdoor environment. Do not operate the drone in rain,snow or strong winds. Keep away from people, animals and other obstacles.
2. Make sure the battery of the Drone is well installed and connected. Turn on the switch of the Drone, the indication lights on the Drone will start flashing, then put the Drone on a flat surface and wait for the frequency adjustment
3. Turn on the switch of the transmitter, pull the left throttle stick up to the highest position, then pull the left throttle stick down to the lowest position. The indication lights on the Drone will stop flashing and stay on. Frequency adjustment is successful, you are now connected and ready for flight.
4. Maintaining control of the drone while flying is the sole responsibility of the pilot. Any loss or damage caused while flying is NOT covered by warranty.

Taking off using hover

1. Put the drone on a flat surface and turn on the drone.
2. Turn on the remote controller and push the left stick up to top and pull it down to the bottom, a beep will sound and the LED lights stop flashing, the drone has been unlocked.
3. Push the left stick to left down corner (45 degree angle) and push the right stick to right down corner at the same time, the motors start rotating, and the drone is now ready to fly.
4. Press the "one key take off" button, or push up the left stick, the drone will take off, release the throttle, the left stick returns to the central position, then the drone hovers automatically.

Start Motors & Stop Motors

Push up the left stick

Landing the drone

Method 1: press the"one key landing" button, the drone will land and stop the motors automatically.
Method 2: Pull the left stick down to the bottom position, the drone will descend and lands manually.
Note: Before final landing to ground, the Drone can still be flown up by pushing up the throttle.

1 Pushing down

Emergency stop

Press the button "Emergency stop" to stop the motors immediately to avoid further damage or injury.
Note: If it is not necessary, please do not use this function, as the drone may be damaged by by violent crashes when falling from a high altitude.

Headless Mode and One Key Return

Headless mode supports beginners in the initial stages of learning how to fly the drone. Regardless of where the drone turns, the direction of flight always corresponds exactly to the direction specified with the control for forwards/backwards and sideways movements.

1. Place the drone on flat surface facing away from you, turn on the drone and connect the controller.

2. Press the headless mode button, and you will hear a beep, the LED lights flash to indicate that the drone is in Headless mode, you can press the button again to cancel this function.

3. For One Key Return mode, press the button to activate, then the drone will attempt to fly backwards toward you. To cancel this mode, just push the right stick in any direction.

Note: the drone will not land itself when you use one key return function, you have to control it when the distance between the drone and you is close.

NOTICE: If the Drone is rotating in the air uncontrollably, adjust the rudder trimming buttons until the Drone is stable

Ascend / Descend	Push up the throttle stick, and the spinning speed of the main blades will increase. The Drone begins to ascend. Pull down the throttle stick, and the spinning speed of the main blades will decrease. The Drone begins to descend.	
Turn right / Turn left	Push the rudder stick to the left, and the Drone will turn to left. Push the rudder stick to the right, and the Drone will turn to right.	
Forward / Backward	When the rudder stick is pushed upward, the Drones swashplate will downtilt and it advances. When the rudder stick is pushed downward, the Drone will uptilt and it recedes.	
Left sideward fly / Right sideward fly	When push the right lever (steering rudder) to the right, the Drone will fly to the right. When push the right lever (steering rudder) to the left, the Drone will fly to the left.	
If the drone does not work preperly, you may need to do a Gyroscope calibration, pull the left stick and right stick down to the left corner (45 degree) for 3 seconds at the same time, Then the lights will flash quickly, after it stops flashing, release the remote control sticks, and the calibration is successful.		

COMMON PROBLEM AND SOLUTION INSTRUCTION:

THE PROBLEM	REASON	COUNTERMEASURES
The indication light of the Drone is flashing and without reaction when operated.	1.Frequency modulation between the Drone and remote control is not operated correctly. 2.Insufficient battery power.	1.Refer to the Preparation for taking off, and re-modulate the frequency. 2.Recharge the battery.
The Drone blades turn around but the Drone cannot take off.	1.Insufficient battery power. 2.The blades distorted.	1.Recharge the battery. 2.Replace the blades.
The Drone shakes hardly.	The blades distorted.	Replace the blades.
The fine tuning button are all on but the Drone still couldn't keep balance.	1.The blades distorted. 2.The motor doesn't work properly.	1.Replace the blades. 2.Replace the motor.
The Drone loss of control after crashing.	Three-axis acceleration sensor lose it's balance after crashing.	Put the Drone on the ground for 5-10 seconds.