

### ATOYX Quick Start Guide

**Step 1** Turn on Power

**Step 2** Start motor

**Step 3** Ascent/Descent (push throttle)

**Step 4** Direction Lever

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### ATOYX Features

- GPS
- Headless mode
- Follow me mode
- One key take off/landing
- One key to return
- Speeds adjustment

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### ATOYX Standard components

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### ATOYX Battery charging and installation

**Battery charging**

- Remove the lithium battery from the drone, insert one end of the charging cable with the USB port into the phone adapter interface, and then the interface with the plug on the other end is correctly connected to the battery socket.
- Plug the charging cable into the USB port of the computer host, the method is the same as above, and the charging can also be completed.
- The indicator light is always on other the charging state, and it will automatically crush out when the battery reaches the full state.

= 1 =

**Notice:**  
During the flight ,when you hear the "beeps" sounds from the remote control,it indicates that the Drone's battery voltage is not enough ,so the drone should fall behind to recharge , it need to charge it with the special charger we gave.

During the flight ,when the remote control indicator lights flicker. It indicates that the remote control battery voltage is not enough ,please replace the remote control battery.

**Battery install**

Put the lithium battery into the battery compartment, according to the instructions The direction of the arrow is shown on the head of the aircraft.

Push into the battery and hear the "ka" Snap in the sound; check if the battery is tight. To remove the battery, press the arrow on the lithium battery

Push the battery in the direction of the head.

**Caution**

LED representation		Charging specification	
Lights off	Light on	Input	Charging Current
Charge Completed	Charging	5V	1A
			Full Voltage
			4.2V+_0.03V

Battery and charge specification			
Battery type	Battery specification	Using time	Charging time
Lithium polymer battery	3.7V 800 mAh	Drone Flight time : 7-8 mins	About 60 mins (charging current approx 1A)

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### ATOYX Remote control function key description

= 2 =

### ATOYX Calibration between drone and controller

**Level**

**Step 1**  
First, turn on the switch button of the remote control ,and then switch on the power switch of the drone. Put the tail of the drone point at you and put it on the horizontal surface. At the same time the remote control will be comes "beep, beep beep" sounds, it indicates a successful matching code.

**Important note:** the drone turn on/off needs to connect the battery line and power line. Because the internal gyros need to be horizontal calibrated after the drone open ,so please must put in the horizontal surface place.

**Step 2**  
As shown in the picture ,push both joystick of the remote control to the lower right corner at the same time. When the indicator light of the drone flashes quickly, release the remote control and wait for the indicator light keep on lighting ,the remote control will comes "beep beep" sounds and the calibration completed.

If long time not used it, please take out the battery of the remote control and keep it properly. Note :if not remove the batteries of the remote control, store if for long time will cause leakage of battery and damage the remote control, even cause the risk of burning.

**Step 3:**  
After the frequency is matched, please perform compass calibration.

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### ATOYX Compass Calibration

**Please select an empty space and follow the steps below to calibrate the compass.**

- As shown in the figure: Move the remote control rocker in the direction of the arrow for 2 seconds, and wait for all the lights of the drone to flash slowly.
- Rotate the drone three times horizontally (put the drone on the horizontal plane, hold the drone by hand, rotate it 3 times on the horizontal plane), and the status indicator of the drone is red.
- Hold the drone head up with the hand (the drone is in a vertical state), rotate it 3 times horizontally, and the drone status indicator is green.
- After the calibration is completed, if the drone status indicator all flashes to indicate that the calibration has failed, please replace the takeoff ground to recalibrate the compass.
- After the calibration is completed, if the aircraft status indicator flashes red, the number of stars is not enough. Novices are not recommended to take off.

**Caution**

Compass calibration: Please calibrate the compass before using the drone. If the drone moves more than 50 kilometers, you need to calibrate the drone again before you can use it.

Horizontal calibration

Vertical calibration

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### ATOYX Remote control instructions

<b>Turn on / off</b>	<b>Light stable</b>	1.Turn on:Short press the switch button, the remote control enters the normal working mode, the buzzer sounds short and the power indicator flashes. 2.Turn off: long press the switch button, the buzzer sounds short, the power indicator light is completely off, and the remote control enters the shutdown state.
<b>Unlock</b>	<b>Blades rotating</b>	First turn on the remote and then turn on the plane. At this point, the remote control emits a "beep" sound, and the drone indicator light is always on, indicating that the code is completed. Move the throttle lever to the lower left corner and move the directional joystick to the lower right corner (this operation needs to be performed at the same time) to start the motor. Release the rocker after the motor starts.
<b>Throttle control</b>	<b>Fly</b>	Push the throttle lever up ,drone will fly up. Push the throttle lever down ,drone will fly down. Push the throttle in the neutral position, the height of the drone remains unchanged.
<b>One key take off</b> <b>One key landing</b>	<b>Ascent</b> <b>Descent</b>	After unlock the drone ,press "One key take off/One key landing " button ,drone will hover about one meters above the ground,Press again, drone will land automatically.
<b>Turning</b>	<b>Turn left</b> <b>Turn right</b>	After the drone is lifted off, the throttle stick is rocked left and right, and the drone turns left and right.
<b>Forward / Backward</b>	<b>Fly forward</b> <b>Fly backward</b>	Push the direction lever up, drone will fly forward. Push the direction lever down,drone will fly backward.
<b>Left and right</b>	<b>Left</b> <b>Right</b>	Push the direction lever left, drone will fly to left. Push the direction lever right, drone will fly right.

<b>Trim</b>		After the drone is lifted off, when the drone is shifted in one direction without manipulating the rocker, the direction of the offset is adjusted by the fine adjustment button. Correct the drone movement in the opposite direction.
<b>Take photo/video</b>		Short press the "Photo/Video" button to take a photo, long press this button to record the video, photos and videos will be saved in your app.
<b>Short press to change speed</b>		Short press to switch speed, long press to 3D flips. 1.speed (low speed) ;"bi" 1 time. 2.speed (medium speed) ;"bi" twice. 3.speed (high speed) ;"bi" 3 times.
<b>Headless mode</b>		Start and settings: short press the headless mode button, the remote control beeps twice, the drone indicator light flashes slowly, headless mode start, now the direction of the drone's head is the front of headless mode, if there has a crash or flying forward deviation, please restart to adjust the required direction frequency. Exit headless mode: short press the headless mode button again,(the remote control beeps and the drone indicator light is always on)it is exit headless mode. In headless mode, no matter which direction the head of the drone turns, the current position of the remote control is the right and behind of the drone, at the moment, pull down the joystick it can recall the drone , push the joystick up, the drone can flight far away.
<b>One key return</b>		Short press the smart return button to the buzzer to send "a bi bi", the drone will return to the latest search star confirmation point, no return during the return journey To control the drone, press this button again to end the return.

= 5 =

### ATOYX APP application and description

**APP download and installation**  
Download the app according to your mobile phone system model, as follows:

**1. Android system**  
A: Search for the keyword "AT-246 GPS" in Baidu mobile assistant APP (android market or 91 Assistant) to download,Search for keyword "AT246-GPS" download.  
Or use a browser to scan a QR code to download. If scan code download fail , please download in Baidu mobile assistant APP.  
B:On Google play: search for the keyword "AT-246 GPS" to download.

**2. ios system**  
Please go to APP store ,enter the key word "AT-246 GPS" to download the app.

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### ATOYX Operating instructions of APP

1.After installing the APP on the phone ,click enter and the following screen appears.

2.The Wifi connection

- Release open your drone first and connect your mobile WIFI hotspot to AT-246\_GPS\_XXXXXX.
- Enter the APP if the mobile app is successfully connected to the drone ,you can see real-time image transmission in the app, it can be controlled remotely by a mobile phone.
- The remote control is invalid when the mobile controls the drone; mobile phone control is invalid when the remote control controls the drone.

= 6 =

3. **Rocker**  
When the joystick is turned on, the drone indicator light is always on, and the virtual handle can be used for flight.

4. **Please refer to P4 & P5 for throttle and direction control.**

5. **Taking pictures**  
Trigger the APP photo function;Short press the remote control also can take photos.

6. **Camera**  
Trigger the APP camera function, the camera starts, triggers the camera to stop again; long press the remote camera function can also take the camera.

7. **Gravity induction**  
Triggering gravity sensing, the direction of the Earth's gravity is sensed by the built-in sensor chip of the mobile phone to control the direction of the drone.

8. **WIFI status**  
This icon shows the signal strength of the drone connected to the remote.

9. **Battery status**  
Shows the power of the drone.

10. **Photo album**  
Click on this to view the photos and recorded video you take.

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### ATOYX Installation protection frame and replace the fan blade

**Installation protection frame**  
Install the protective frame as shown in the figure and use the accessory screws to tighten the protective frame.

**Replace the fan blade**  
In order to achieve the best flight function, the blades need to be inspected or replaced with new blades after multiple flights. Especially when flying in high altitude

**May damage the blades.**

- When replacing the blades, make sure that the letter 1 on the fan blade is the forward fan blade, 2 is the reverse blade, and the letter is on the back of the blade.
- Pay special attention to replacing the damaged blades with the correct turning blades. Don't change the steering blades!

Front left positive blades=F

Front right reverse blades=R

Back left reverse blades=R

Back right positive blades=F

= 7 =

### ATOYX Troubleshooting

Replace the fan blade diagram

Troubles	Causes	Ways to deal
1 Turn on the drone and the drone lights continue flashing, no response	The remote controller and the receiver are not successfully matched.	Please re-execute the counter action of the remote control and the receiver board. (Please refer to the frequency alignment of remote controller and receiver in P3)
2 Turn on the drone, the drone has no reaction to the commands	The battery died	Charge the drone
3 Blades keep moving after landing	Throttle lever is not at the zero position	Put the throttle lever to zero position
4 Blades keep moving , while the drone can not take off	1.Blades may installed wrong 2.No enough power	1.Change the blades 2.Charge the drone
5 After trimming ,drone keeps spin, and the speed of blades is different	1.Blades may installed wrong 2.Blades get damaged 3.Calibration failed	1.Install the blades 2.Replace the blades 3.Refer to p3 for calibration
6 The drone can not take off after drop	1.Blades are getting lose 2.Blades get damaged	1.Tighten the blades 2.Replace the blades

**Warning:**  
Children under the age of 14 are prohibited from using.

MADE IN CHINA

AT246GIMEN

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# ATOYX

Quick Start Guide

Features

Standard components

Battery charging and installation

1

2 Remote control function key description

3 Calibration between drone and controller

Compass Calibration

4-5 Remote control instructions

6 APP application and description

Operating instructions of APP

7 Installation protection frame and replace the fan blade

8 Troubleshooting

**Model: AT-246G**

## User Manual