

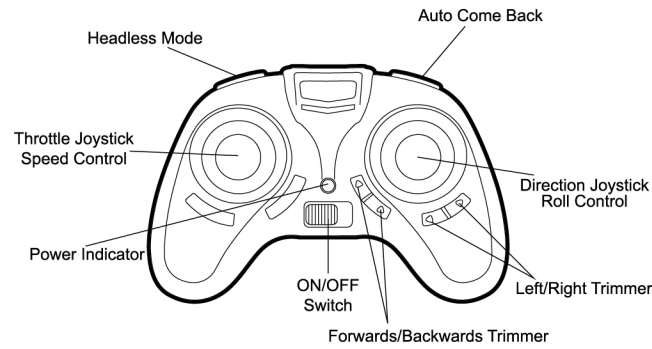
# ducted fan super micro QUADCOPTER

2.4GHz 4CH Wi-Fi R/C FPV Quadcopter with Altitude Hold RTF

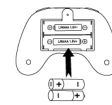
## E012



### 1. KNOW ABOUT CONTROLLER



### 2. SETTING UP THE CONTROLLER



2 Pcs AA Battery

1. Unscrew the battery holder cover, and insert 2 x AA battery. Making sure you insert them following the correct polarity as shown.
2. Re-attach the battery holder cover.

**NOTICE:**

- Always have an adult install the batteries
- Always use Alkaline Batteries
- Never mix old and new batteries

### 3. CHARGING YOUR XFLY

**IMPORTANT - READ BEFORE CHARGING:**

**BATTERY WARNING:**

Lithium Polymer batteries may expand, burst or catch fire if used incorrectly, causing both property damage and personal injury. It is essential that you follow all the included instructions and safety warnings. The manufacturer, distributors and retailers will assume no liability for the failure to comply with these safety instructions and warnings.

**INSTRUCTIONS WHEN CHARGING:**

- 1) The battery must be removed from the XFLY before charging.
- 2) If your XFLY runs out of power after flying, let the battery cool down for a while before charging.
- 3) Charging must be undertaken by an adult, and using the authentic charger.
- 4) Always charge the XFLY on a non-flammable, heat-resistant surface with non-flammable surroundings.
- 5) Connect the XFLY to the USB charging cable, making sure you insert the charging plug into the charging socket in correct direction. (see picture below)

Never ever try and force the connection the wrong way round. Always check the pins in the charging socket have not been bent out of shape.



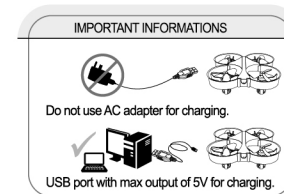
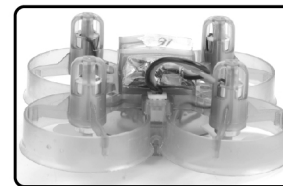
- 6) Connect the type-A plug to a dedicated USB charging device (Laptop / PC). The LED light inside the cable will be on while charging, and be off when fully charged.

- Never charge the battery for more than 45 minutes.
- Never charge the battery after fully charged.

- 7) If your battery is damaged in a crash or no longer charged properly, immediately replace it with authentic battery. To extend the life of your battery, it is always recommended to recharge the battery before it is entirely running out of power.

**BATTERY CARE INSTRUCTIONS:**

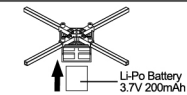
If your battery ever starts to be smelly, change color or look swollen, you must stop using immediately. Do not attempt to recharge the battery. Be advised that the battery may be hot after flying. Be careful when handling it. Disposal of battery should be done by your local recycling center.



### 4. FLIGHT ENVIRONMENT

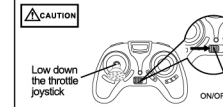
1. Please keep certain distance between XFLY and other objects when flying. Do not fly the XFLY near persons and animals.
2. The XFLY is an Indoor / Outdoor flyer, but care should be taken in strong wind when flying.
3. Keep the XFLY at least 5 ft away from you.

### 5. SIGNAL PAIRING



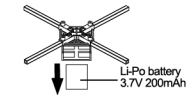
**Step 1**

Connect the battery to the XFLY by inserting the power plug into the power socket on XFLY. Then push the battery into the battery holder. Making sure pushing the battery all the way in so it will not fall out while flying.



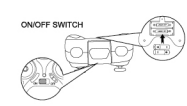
**Step 2**

Low the throttle joystick all the way down to the bottom. Then turn on the controller. To pair up with the XFLY, you need to raise the throttle joystick all the way up to the top, and then low all the way down to the bottom. The controller will make a beep sound, which indicate paired successfully. Next time you raise the joystick the XFLY will lift into the air.



**Step 3**

Always remove the battery from the XFLY after flying.



**Step 4**

Remember to turn off the controller, and remove all batteries if leaving un-used for a long period of time.

### 6. FLIGHT CONTROL

Place the XFLY down onto a flat, even surface, making sure that the light in front of the XFLY is facing away from you. Making sure that you and the drone are both facing at the same direction.



<p><b>Ascending</b> ↑</p> <p><b>Descending</b> ↓</p>	<p>When you push the throttle joystick up, the XFLY will start going up. When you pull the throttle joystick down, it will start going down.</p> <p>-please do this slowly at first till you learned the sensitivity of controlling.</p>	
<p><b>Right Sideways</b> ↻</p> <p><b>Left Sideways</b> ↻</p>	<p>When you turn the throttle joystick left, the XFLY will start spinning left. When you turn the throttle joystick right, it will start spinning right.</p> <p>-please do this slowly at first till you learned the sensitivity of controlling.</p>	
<p><b>Forward</b> →</p> <p><b>Backward</b> ←</p>	<p>When you push the direction joystick forward, the XFLY will start flying forward. When you pull the direction joystick backward it will start flying backward.</p> <p>-please do this slowly at first till you learned the sensitivity of controlling.</p>	
<p><b>Left Bank</b> ↻</p> <p><b>Right Bank</b> ↻</p>	<p>When you turn the direction joystick left, the XFLY will start banking left. When you turn the direction joystick right, it will start banking right.</p> <p>-please do this slowly at first till you learned the sensitivity of controlling.</p>	

**TIP:** It will be much easier when you start to learn to fly the XFLY by ignoring Spinning Control. Keeping the LED light facing forward will give you a hand of direction controlling.

### 7. TRIMMING YOUR XFLY Needed before first flight

When you lift your XFLY into the air by pushing up the throttle joystick, and press no other buttons nor direction joystick, your XFLY should be hovering over at one spot. If it doesn't, you need to follow the instructions below to bring your XFLY back to a perfect hover.

<p>If your XFLY banks to the left, keep pressing the Trim Right Button till your XFLY stops banking.</p>	
<p>If your XFLY banks to the right, keep pressing the Trim Left Button till your XFLY stops banking.</p>	
<p>If your XFLY flies backward, keep pressing the Trim Forwards Button till your XFLY stops flying backward.</p>	
<p>If your XFLY flies forward, keep pressing the Trim Backwards Button till your XFLY stops flying forward.</p>	

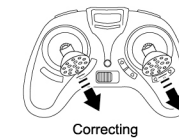
### 8. RESETTING TRIM

If you want to reset the XFLY back to its factory trim settings, you need to press and hold one of Trim Buttons (Trim Left Button). If you hear the short beep sound the transmitter continually made and finally a long beep sound, let go of the button, and you will have reset it (Trim Left Button). If you hear the short beep sound all the time and then stops without a long beep sound, you need to press 'the opposite one' (Trim Right Button) till you hear the long beep sound. Do same things to '4 Trim Buttons' and you will reset the trim to the original factory setting.

### 9. GYRO CALIBRATION

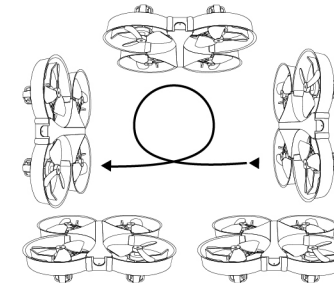
MAKE SURE IT'S DONE AFTER SIGNAL PAIRING.

Gyro calibration is necessary for a perfect flight. To calibrate the 6-Axis gyro, follow the instructions below. Pull both the throttle and direction joystick to the bottom right corner, and hold on till you see the lights on the XFLY start blinking.



### 10. 360° FLIP

1. Make sure the XFLY is flying at least 10 ft above the ground, and 10 ft below any ceilings.
2. Press the flip button (press direction joystick) once to activate 360° flip mode. A beep sound will be made by the transmitter.
3. You now have a choice of directions to flip over. Push the direction joystick up for a forward flip, and pull it down for a backward. Flip left by turning the direction joystick left and flip right by turning it right.
4. After a flip action, the controller will automatically reset back to the normal flying mode.



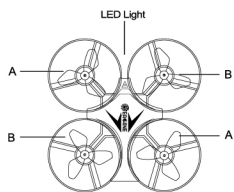
### 11. SPEED CONTROL

When you first connect to your XFLY it will automatically be in speed 1 mode. That is the lowest speed and perfect for indoor flying. Press the speed control button (press throttle joystick) to change the speed. The transmitter will make sounds to let you know which speed gear you choose. One short beep for speed 1, two short beeps for speed 2 and three beeps for speed 3 which is the highest speed and is great for outdoor flying. Learn to fly at the lowest speed, and then increase the speed rate after you've mastered all flying skills.

### 12. REPLACING PROPS

Propellers are designed to come off after strong crashes as to protecting XFLY from being destroyed.

Propellers have 2 variations, type A and type B. Please install the props exactly as image shows.



### 13. FIXING ISSUES

**XFLY NOT LIFTING OR NOT FLYING IN YOUR CHOSEN DIRECTION:**

- 1) The most common reason for not lifting or flying in your chosen direction issue is that hair and debris wrapped around one or more of the propellers. Simply remove them will solve this issue.
- 2) XFLY runs out of power. Recharge the battery with authentic charger.
- 3) You may knock the Trim Button out of sync. Follow the instructions 8 in this booklet to reset them back to the factory settings.

### 14. WARNINGS

- The XFLY is designed for children age 14+.
- Adult supervision is always recommended.
- Remove all batteries from transmitter when not in use.
- Never overcharge the XFLY.
- Never touch the XFLY's motors during or after flying.
- Never touch the propellers when they are in motion.
- If the XFLY becomes damaged, stop playing immediately.
- All disposal parts of this product should be taken to your local recycling center.
- The battery in the XFLY should never be exposed to fire or any form of high temperature.
- Always charge the battery on a non-flammable surface, with non-flammable surroundings.