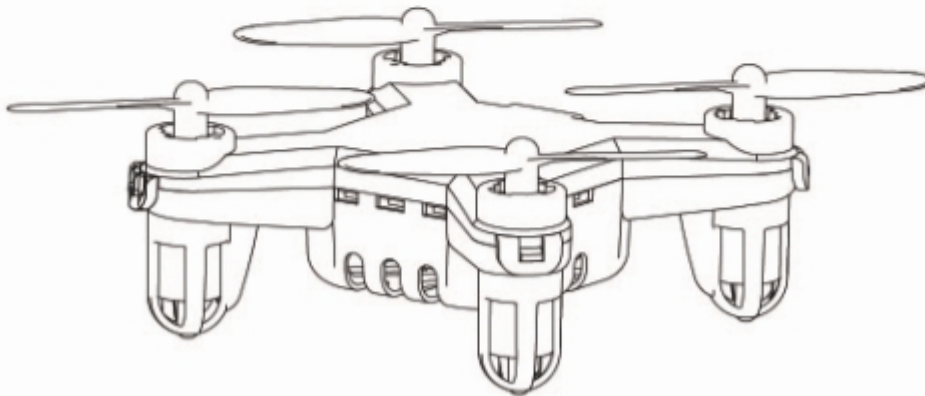




## 4-AXIS QUADCOPTER EDA203



**1** CAUTIONS

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**2** CONTENTS AND FUNCTIONS

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CONTROLLER INSTRUCTION  
REPLACING THE PROPELLER BLADE  
FLIGHT CHARGING  
BATTERY AND CHARGER  
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WARNING

## IMPORTANT

1. This product is only suitable for users over the age of 8. Piloting this quadcopter will be difficult at the beginning. We recommend being accompanied by an experienced pilot at first.
2. This product is designed with high-tech electronics and mechanical parts. Do not fly near people. Improper operation can result in injury or property damage. We will not accept any responsibility for this.
3. We will not take any responsibility for accidents during the operation of this device.
4. Contact customer service for help if you have any problems with the device.

- Cautions:
1. Checking the surroundings before flying.
  2. Do not let the plane fly out of sight when flying.
  3. Do not let the child play alone, play together with an adult.
  4. Please make sure there is no one else using the same frequency in the same area.

## Do not fly in these areas.



Under power lines.



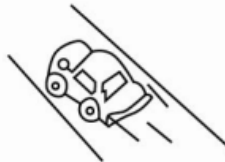
Parks and playgrounds.



In rain and lightning.



Near trains and train tracks.



Near roads.



Near trees and water.

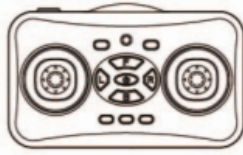


In strong winds.

## PACKAGE CONTENTS



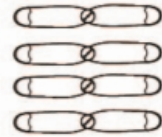
Quadcopter



Remote Control



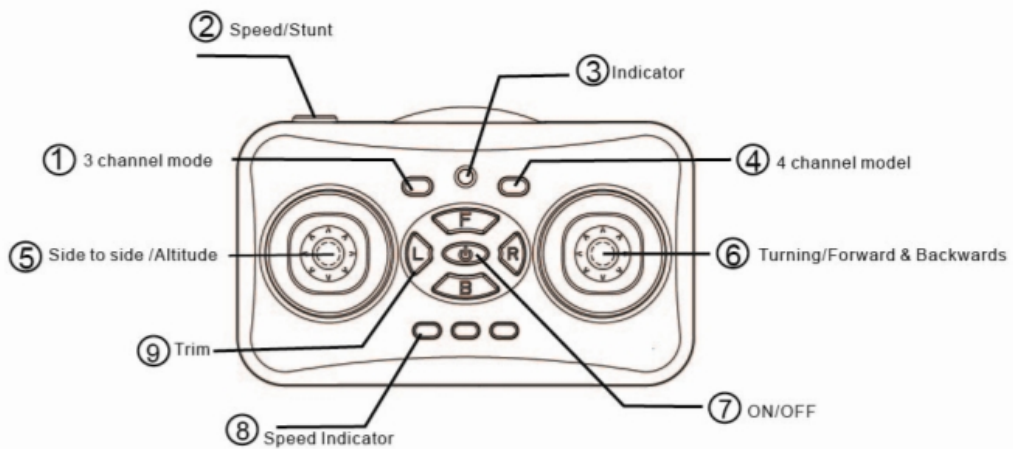
USB Charge Cable



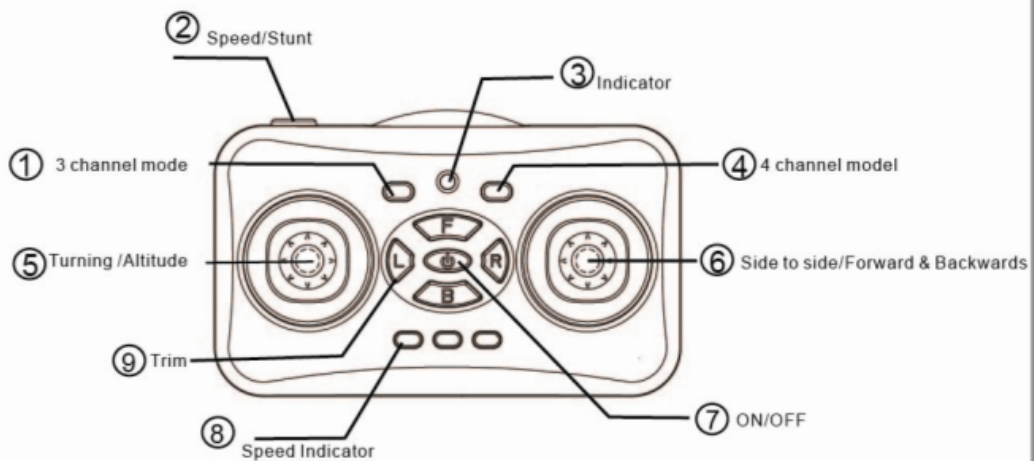
Replacement Rotors

## REMOTE CONTROL FUNCTIONS

### 3 Channel mode



### 4 Channel mode



## CONTROLLER INSTRUCTION

### 1. ON/OFF

(1) ON: After putting in the battery, R/C is in sleep mode (indicator is off when off) Short press or long press on/off and the R/C will beep quickly and enter normal mode.

(2) Power off: long press ON/OFF, R/C will enter sleep mode(power off) and short beep twice.

2. **Unlocking:** Push the left stick forward until the rotors activate to unlock.

3. **Turning:** Push the joystick left or right to turn.

4. **Forward:** Move the Direction Control up and the quadcopter will move forward. Move the Direction Control down and the quadcopter will move backward.

5. **Left and right:** Move the Direction Control left and the quadcopter will bank to the left. Move the Direction Control right and the quadcopter will bank to the right.

6. **Trim:** If your quadcopter is drifting or rotating in the air without input, you will need to adjust the trim. This should be done every time you fly your quadcopter after charging and as needed during flight. When pressing the trim pad, a short beeping tone is heard indicating that the trim input was successful. A long beeping tone is heard if the trim input has reached its maximum limit.

7. **3 channel model:** Press and hold to enter 3 channel mode (buzzer sounds 3 times)

8. **4 channel model:** Press and hold to enter 4 channel mode (buzzer sounds 4 times)

9. **Speed stunt:** Press to enter speed adjustment, speed indicator shows speed grade. Press & hold key to stunt, release the button to exit stunt mode. In stunt mode, it will stunt while moving the right stick.

When the stunt is completed it will exit stunt mode. (The quadcopter can't continuously stunt)

In stunt mode, the indicator will flash and a buzzer will continuously sound. After exiting the stunt mode, the indicator turn off and stop buzzing.

## 10. Indicator

(1) Syncing the quadcopter with the controller: Turn on the power of the quadcopter and controller at the same time, the quadcopter will double flash. If syncing isn't successful, the indicator will last around 80 seconds. If syncing is still unsuccessful, the R/C is in sleep mode, once successful, the indicator will light up.

Flying tip :

2) Verify that the batteries inside the remote controller unit and the quadcopter are fully charged. When the Controller battery is low on power the controller's LED will blink.

11. Place the quadcopter on a flat level surface and turn it on. Move both joysticks all the way down to the lower right corner. The LED on the controller will be on continuously, the controller will stop beeping.

2 (Notice: keep the quadcopter still and on a level surface while syncing.) When syncing is complete the indicator will stop flashing quickly.

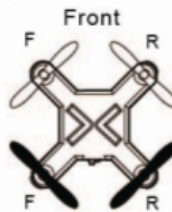
## REPLACING THE PROPELLER BLADE

The propeller system is a precision instrument that may need to be repaired or replaced from time to time for optimal flight function. Crash landing from high-speed aerial flights may cause damage to propeller blades.

1. The aircraft has four blades, two white colors on front, and two black colors on back (see the diagram below).
2. When replacing the propeller blades, make sure to match both the color of the blade and the indication letter on the blade.
3. Replacing the correct blade with the broken blade.

White Blade Front Left=F  
White Blade Front Right=R

Black Blade Back Left=R  
Black Blade Back Right=F



## FLIGHT CHARGING

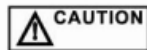


- 1) Insert the charge cable output jack to the power connector of the quadcopter.
- 2) The charger indicator lights red to show that charging is in progress.
- 3) Always remember to unplug your charging cable when not in use.

NOTE: AVERAGE CHARGING TIME IS APPROXIMATELY 25-40 MINUTES, THE QUADCOPTER OPERATES FOR APPROXIMATELY 6-8 MINUTES ONCE FULLY CHARGED.



**WARNING** The LED will be on continuously while turned on. When the quadcopter is low on power the LED will also blink. Please land to be charged

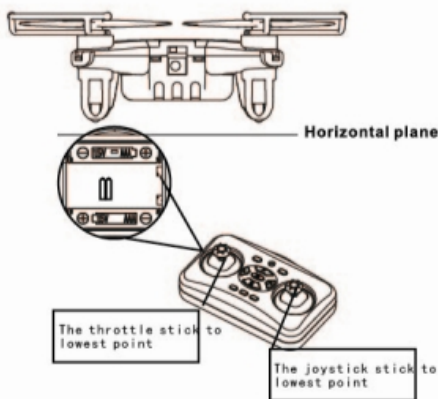


LED Indicator LED		Charger Specifications		
off ○	on ☀	Input	Charging Current	Full Voltage
Idle and Charge Completion	Charging	5V	220-250mA	4.2 ± 0.03V

## BATTERY AND CHARGER SPECIFICATION

Battery usage and charge duration reference			
Battery type	Battery Specification	Usage Duration	Charge Time
Li-po battery	3.7V 130mAh	Helicopter flight time Approx. <b>6-8Minutes</b>	Approx. 35Minutes (Charging current Approx. 0. 5A)
Carbon-Zinc (Non Rechargeable)	1. 5V(GP 15G R6P)	Transmitter Operation Time 18Hours Used for Lithium Polymer Approx. 3times Charging	Non Rechargeable

## SYNCING REMOTE CONTROLLER AND MINI X



### Step

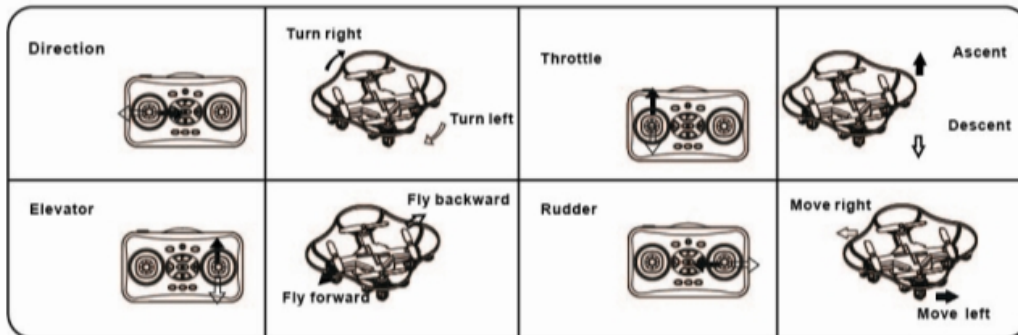
Syncing the mini X with the controller: Turn on the power of mini X and controller at the same time, put the mini X on a flat surface, in the meanwhile the controller will be emitting short beeping sounds, then move the left stick all the way up and down. (the syncing is completed, move both two sticks to lower right corner for 5 seconds around, mini X will flash two seconds and syncing is finished, the report will be memoried.)

## FLIGHT ADJUSTMENT AND SETTING

### PLEASE PRACTICE SIMULATED FLIGHT BEFORE ACTUAL FLYING

Before you are familiar with the unit, please don't pilot it. Read the instruction carefully to get familiar with the direction controls.

1. Checking that propellers are securely attached to the motors. Pull the throttle down to prevent takeoff.
2. Place quadcopter in a clear open field and point the tail towards yourself.
3. Practice operating the control sticks (as shown below), and repeat practicing "Throttle high/low", "Left/right", "Forward/backward", and "bank left/right".
4. Strong impacts can jam the motors, using a long flat nose plier to unjam to rotor.
5. The simulation flight practice is very important, please keep practicing until you are comfortable with the controls.



### FLIGHT ADJUSTMENT AND NOTICE FOR BEGINNERS



- Check if the screws and blades are firmly tightened
- Check if the transmitter and helicopter are fully charged.



- Make sure that no people or obstructions are in the vicinity.
- You must first practice hovering to fly safely, this is a basic flight action (meaning keep the helicopter in mid air in a fixed position)
- Please stand approximately 6ft diagonally behind the helicopter.

### STEP1 THROTTLE CONTROL PRACTICE



1. The throttle is on the left hand, push the throttle to the middle to raise the copter to your line of sight then pull down a little to let the quadcopter slowly down to the floor. Repeat until you can easily and quickly control the altitude.

2. Hovering flight practice: Raise the quadcopter to a certain height then hover at that altitude.

3. Try increasing and decreasing the altitude quickly this time while still maintaining control.



## STEP2 DIRECTION CONTROL PRACTICE



1. Use the right stick to practice moving forward and backwards.
2. Use the left and right stick to practice turns and banking.

## STEP 3 PRECISION PRACTICE

After you are familiar with all actions from step 1 to 3, draw a circle on the ground and practice flying within the circle to increase your accuracy.

You can reduce the size of the circle as you become familiarized with the control.



## STEP4 DIRECTION CHANGE AND HOVERING PRACTICE

After you are familiar with step 1 to 4, stand to the side of the copter and continue practicing steps 1 to 4. Then repeat steps 1 to 4 by standing in front of the copter.

## ADJUSTMENT OF EACH TRIM

Slowly raise the throttle stick and observe just as the helicopter lifts off the ground if it leans in a direction. You can use the trim to correct this action.

### 1.Adjustment of Left/Right trim

If the quadcopter is not steadily hovering and is banking to the left or right automatically, you may need to adjust the left bank trim or right bank buttons.

If the quadcopter banks to the left, click the RIGHT BANK TRIM (R) button repeatedly until the banking stops and proper flight is maintained.

If quadcopter banks to the right, click the LEFT BANK TRIM (L) button in the same manner until the problem is resolved.

From time to time you may have to adjust the LEFT and RIGHT BANK TRIM to ensure the quadcopter will steadily hover in mid-air and respond accurately to your commands.

If the quadcopter is moving forwards or backwards automatically, you may need to adjust the FORWARD/BACKWARD TRIM buttons.

If the quadcopter flies forward, click the BACKWARD TRIM (B) button repeatedly until it stops moving.

If the quadcopter flies backwards, click the FORWARD TRIM (F) button in the same manner until the problem is resolved.

From time to time you may have to adjust the FORWARD or BACKWARD TRIM buttons to ensure the quadcopter will hover in mid-air and respond accurately to your commands.



## STUNT FLYING



After you have learned the above basic movements, you can try some of the breathtaking tumbling action. First, fly the quadcopter to an altitude over 6.5ft. Press the Stunt key, then push the forward/backward, or left/right stick to the top then release. The quadcopter will roll over.

## TROUBLE SHOOTING DURING FLIGHT

	Situation	Cause	Way to deal
1	After turn on the quadcopter the LED indicators keep flashing but the quadcopter does not respond.	<ol style="list-style-type: none"> <li>1. Unable to sync to transmitter</li> <li>2. Helicopter battery depleted</li> </ol>	<ul style="list-style-type: none"> <li>• Sync the remote control and copter (refer to P.7)</li> <li>• Fully charge the battery</li> </ul>
2	No response after the battery is connected to the quadcopter.	<ol style="list-style-type: none"> <li>1. The power is not connected.</li> <li>2. Check the voltage.</li> <li>3. Poor contact on battery terminals</li> </ol>	<ol style="list-style-type: none"> <li>1. Checking whether the copter will turn on/off</li> <li>2. Confirm if it has power or not by charging again</li> </ol>
4	Main rotor continue to spin after landing	Throttle stick not on the lowest position	Make sure the Throttle stick is on the lowest position
5	The rotor spins but is unable to take off	<ol style="list-style-type: none"> <li>1. The propeller may be installed incorrectly</li> <li>2. The battery is depleted</li> </ol>	<ul style="list-style-type: none"> <li>• Confirm the correct blade is installed</li> <li>• Charge the copter</li> </ul>
6	The quadcopter still keeps turning after trimming the rudder trim, or inconsistent speed during left/right turns.	<ol style="list-style-type: none"> <li>1. The blade isn't fully installed</li> <li>2. Rotor blade deformation</li> <li>3. Rotor blade not match code</li> </ol>	<ul style="list-style-type: none"> <li>• Change blade</li> <li>• Correct the level refer to P6</li> <li>• Replace the main wing</li> <li>• Replace the main motor</li> </ul>
7	Can not fly the helicopter after crashing	<ol style="list-style-type: none"> <li>1. Rotor blade turns off</li> <li>2. Rotor blade deformation</li> </ol>	<ol style="list-style-type: none"> <li>1. Change replacement rotors</li> <li>2. Tighten the Rotors</li> </ol>

**FCC Caution:** Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this 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.