INSTRUCTION MANUAL

FLY THE BEST
SWIFT STREAM™ Z-9 CAMERA DRONE
INDOOR / OUTDOOR

AGES 14+

Manual Contents
- Packing list
- Battery installation
- Remote control LCD display
- Charging instructions
- Wi-Fi camera installation
- Download APP instructions
- Connecting to Wi-Fi / Menu screen
- Flying instructions
- Calbration trim control
- Lift off correction
- Trouble shooting
- Parts list (by name and number)

Packing List
- (1) Z-9 Drone with 3.7V 500 mAh Li-Poly battery
- (1) 2.4GHz remote control
- (1) USB charge-wire
- (4) Extra spare blades
- (1) Warranty card

PARTS - SERVICE - REPAIRS
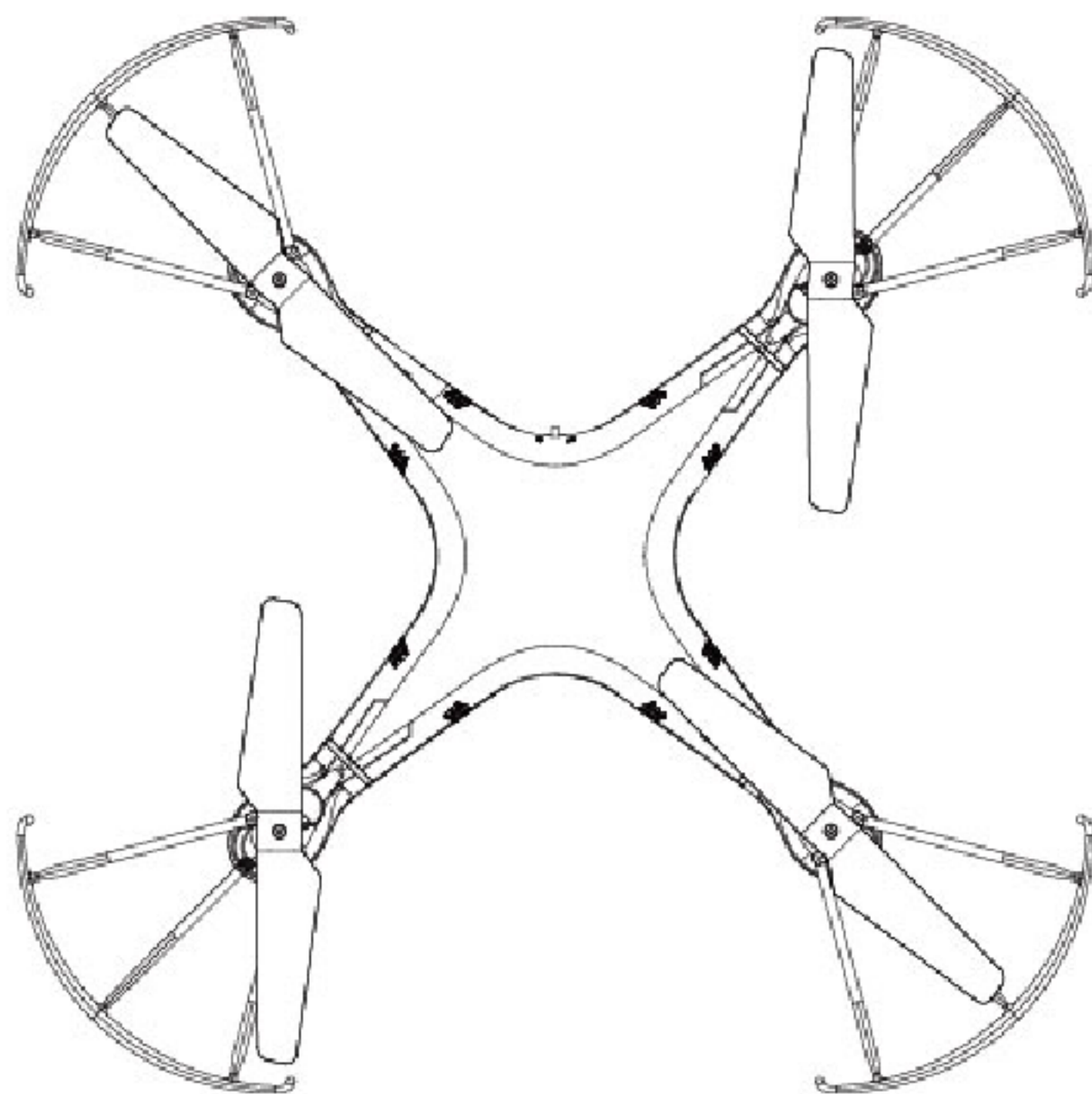OPEN Mon - Fri 9am to 6pm / Sat 10am to 3pm (EST)
TOLL FREE: 866-296-2700 • TEL: 248-809-2129
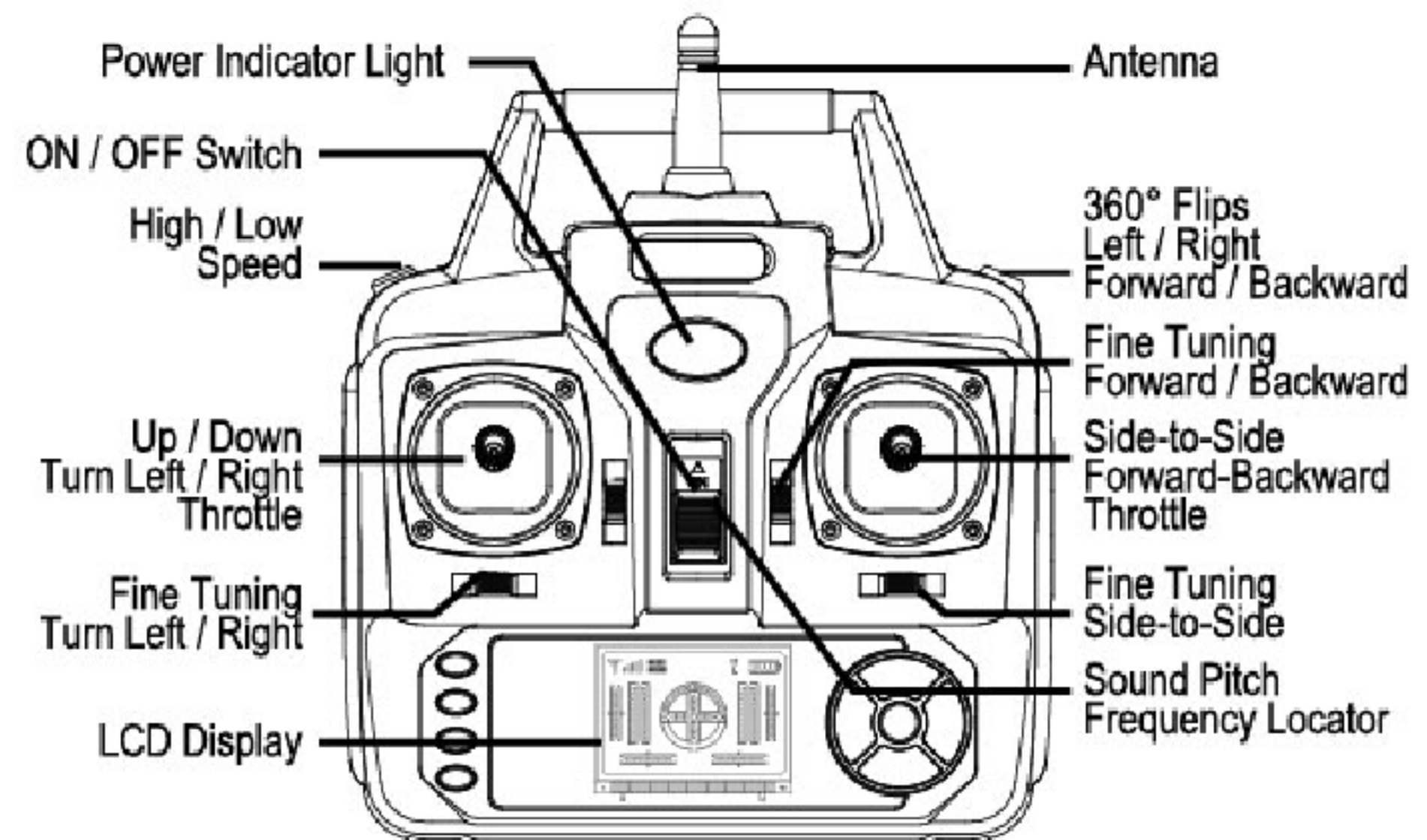Email: Service @ SwiftstreamRC.com
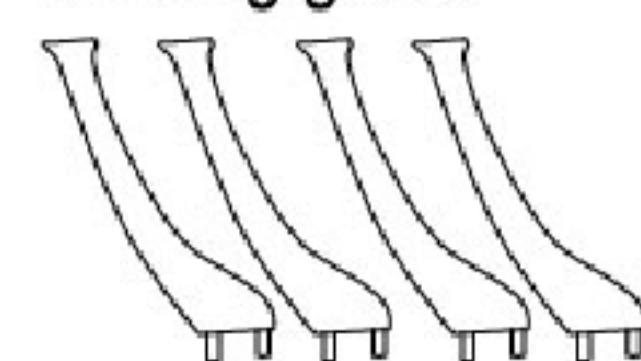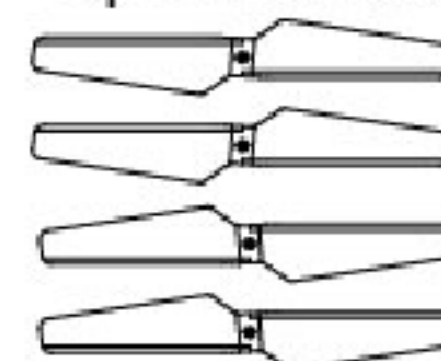Web-site: www.SwiftStreamRC.com

PACKING LIST

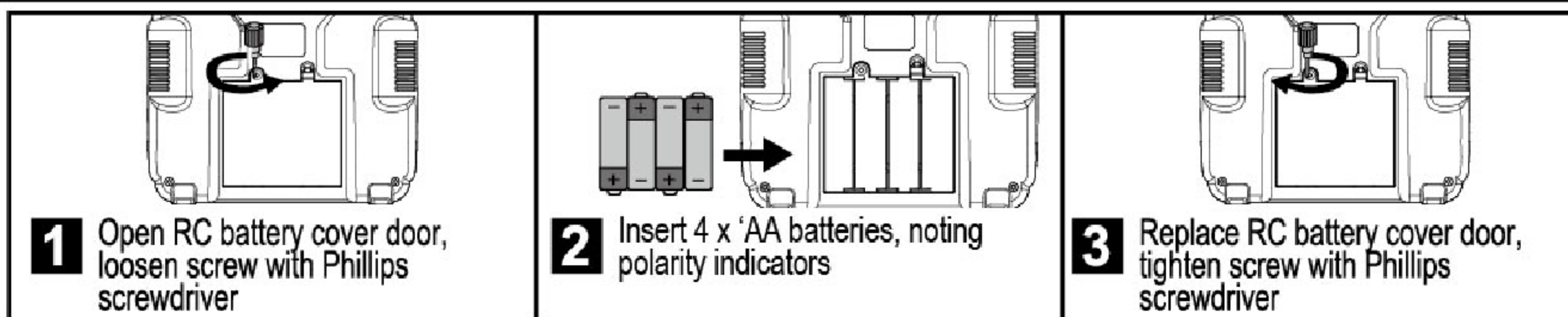## ■ Z-9 Drone

■ 2.4GHz Remote Controller

- Power Indicator Light
- ON / OFF Switch
- High / Low Speed
- Up / Down Turn Left / Right Throttle
- Fine Tuning Turn Left / Right
- LCD Display
- Antenna
- 360° Flips Left / Right Forward / Backward
- Fine Tuning Forward / Backward
- Side-to-Side Forward-Backward Throttle
- Fine Tuning Side-to-Side
- Sound Pitch Frequency Locator

■ Parts Included

- Screwdriver
- USB charge-wire
- Spare blades
- Landing gears
- Wi-Fi camera

BATTERY INSTALLATION

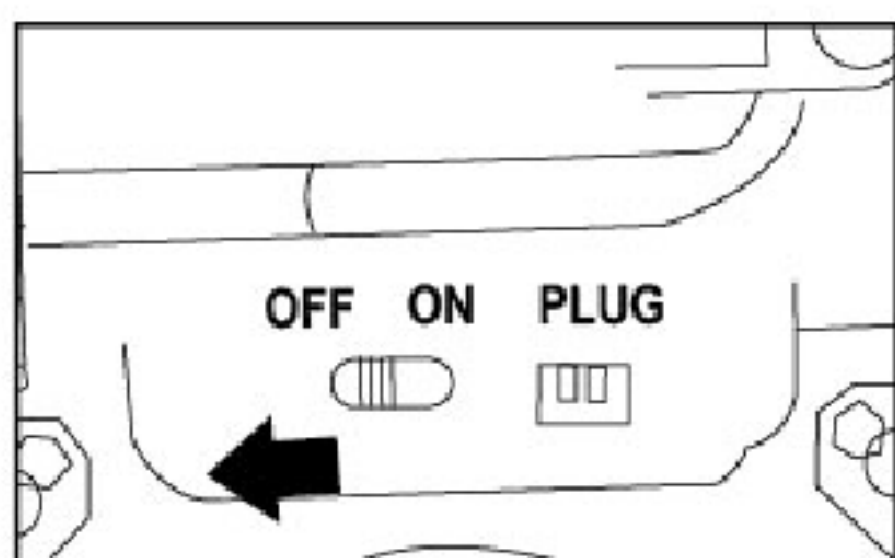|	
1	Open RC battery cover door, loosen screw with Phillips screwdriver
2	Insert 4 x 'AA batteries, noting polarity indicators
3	Replace RC battery cover door, tighten screw with Phillips screwdriver

(FRESH ALKLINE BATTEREIS STRONGLY RECOMMENDED)

REMOTE CONTROL LCD DISPLAY

Signal strength indicator (shows strength of RC signal)

Left turn indicator (displays degree of left-turn)

Advance forward indicator (displays speed as unit moves forward)

Left stafe indicator (displays speed as unit moves left)

Left throttle fine-tuning ... Up / Down

Up / Down throttle speed indicator (displays degree of unit moving up of down)

Left / Right turn ... Fine tuning indicator

High / Low speed (H for high speed / L for low speed)

Remote control battery level bar (shows 'AA' battery life)

Right turn indicator (displays degree of right-turn)

Right strafe indicator (displays speed as unit moves right)

Advance backward indicator (displays speed as unit moves backward)

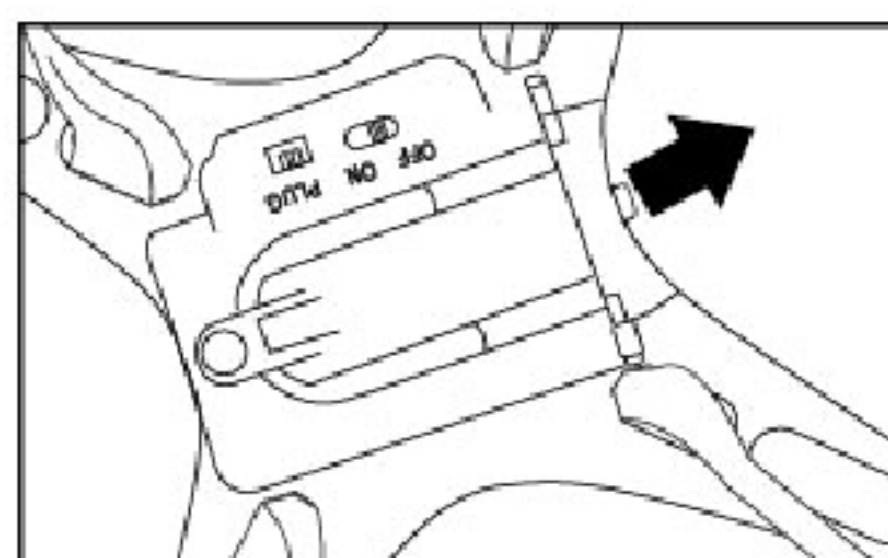Forward / Backward ... Fine-tuning indicator
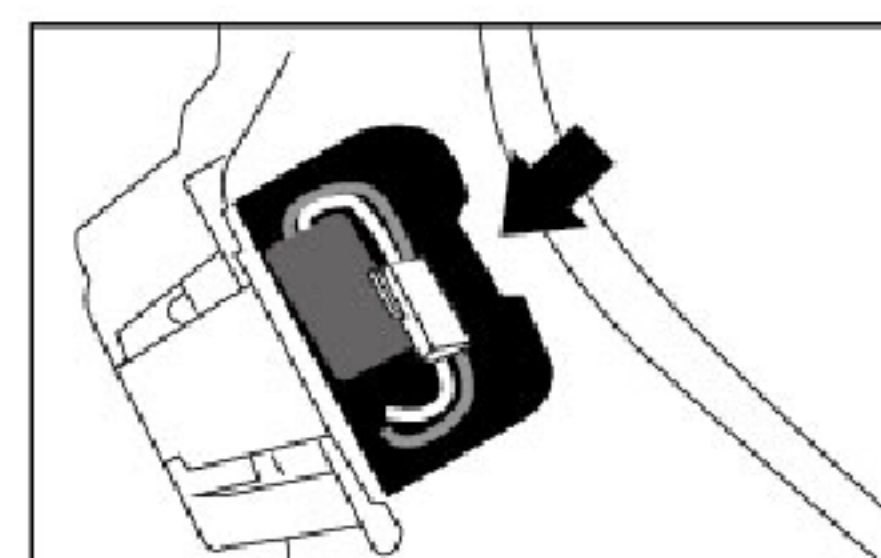
Strafe Left / strafe Right ... Fine-tuning indicator
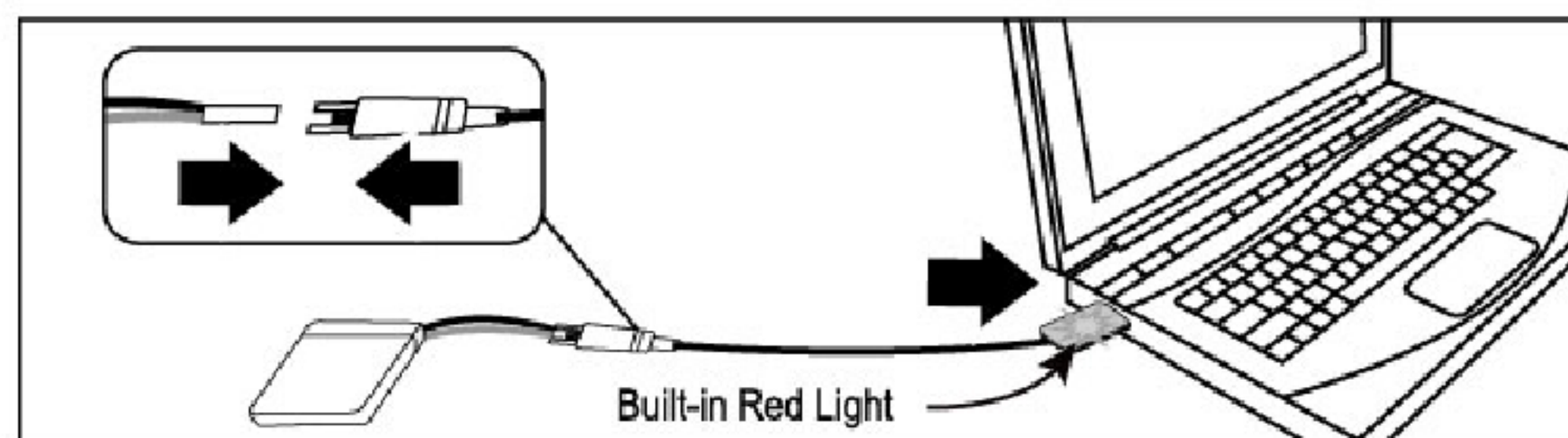
CHARGING INSTRUCTIONS

1. Turn OFF Drone

2. Slide open battery cover door

3. Unplug battery. Gently pull out battery

Built-in Red Light

4. Plug in USB charge-wire into battery plug and power supply

5. Replace battery pack into Drone and close the battery cover door

A. USB charge-wire red light will be on until charge is complete, When the battery is fully charged the USB charge-wire red light will turn off (a full charge can take up to 2-hours)

B. Put USB charge-wire away for safe keeping

## Safety Precautions when charging Li-ion battery

- Gently insert the USB charge-wire plug into the battery plug and never use force
- Do not over-charge the battery – doing so may shorten battery life (charge time up to 2-hours)
- Do not use or leave the battery near any heat source-this may damage, the battery with risk of the battery exploding
- Do not strike, slam, attempt to puncture or otherwise attempt to damage the battery
- Do not submerge the battery in water or any other liquid
- Store battery in a cool dry place
- Do not attempt to dissemble the battery
- Use only the included charger for charging the battery
- Do not use the included USB charge-wire to charge any other battery
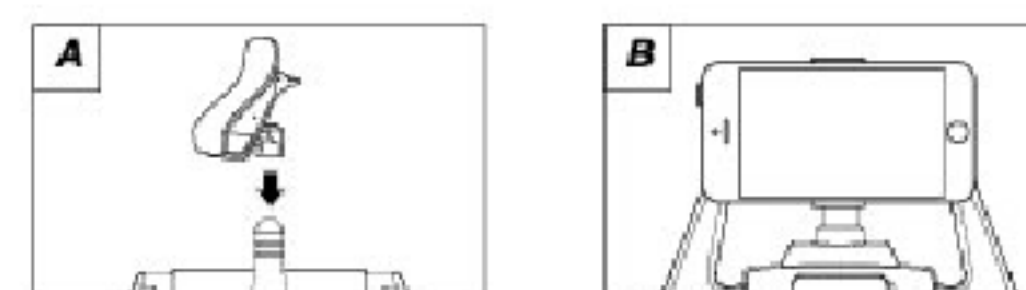- Do not leave a charging battery unattended

INSTALL LANDING GEAR

1

Install the landing gear to the bottom of drone and tighten screws

INSTALL FRONT AND REAR BLADE GARDS
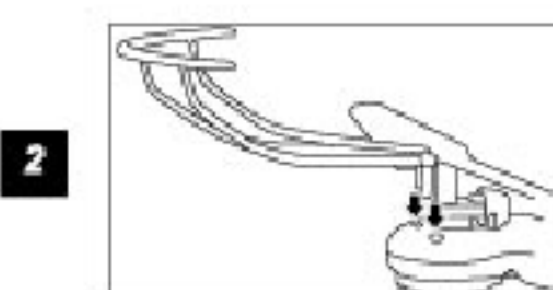
2

Insert pins and tighten screws

INSTALL SMARTPHONE HOLDER

3 A B

- Insert Smartphone holder over RC antenna
- Press down until it locks into place
- Squeeze open and place your Smartphone inside

WI-FI CAMERA INSTALLATION

Installing the Camera

1. Slide the camera in place as shown in Diagram (1)

2. Plug-in camera wire into the bottom of the Drone. The port for the camera plug is located next to the ON / OFF swicth Shown in Diagram (2)
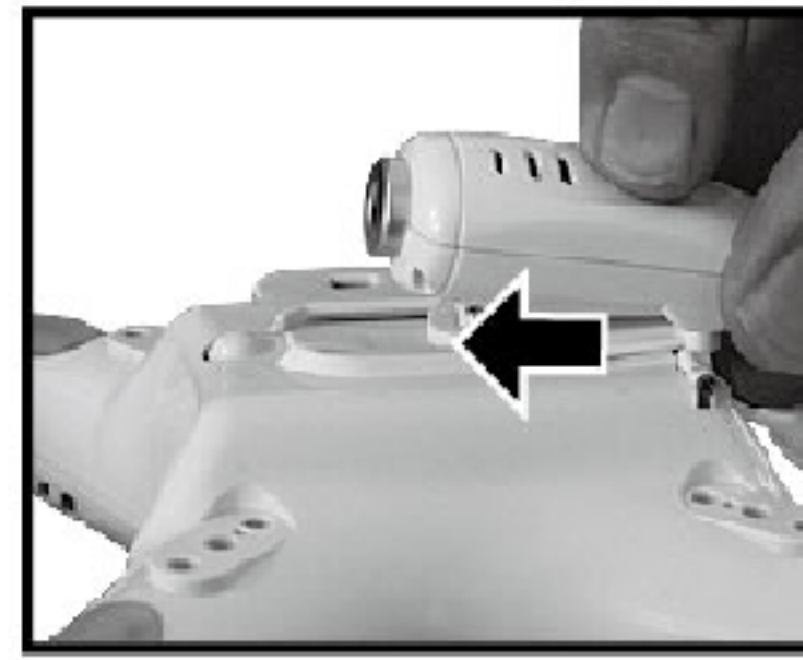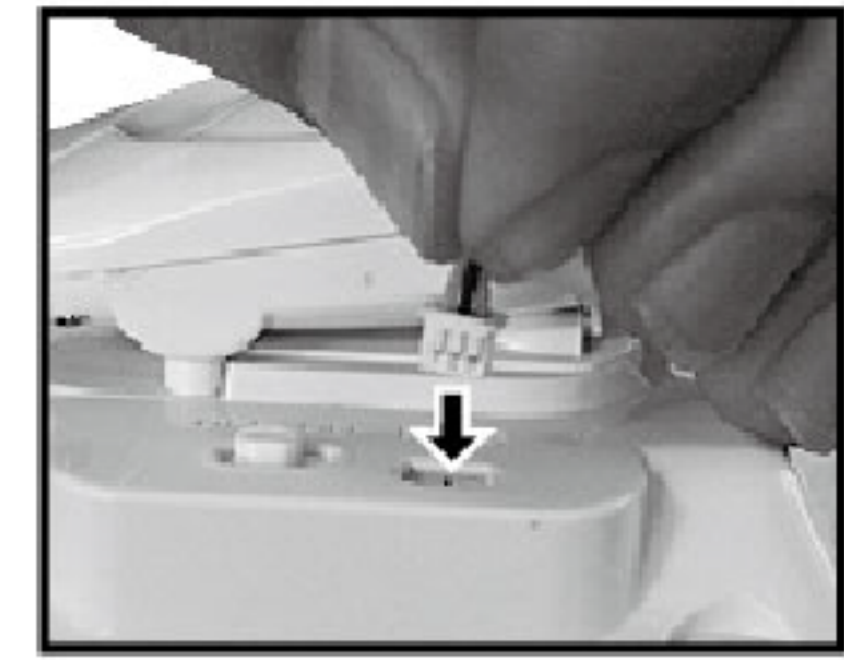
Diagram 1   Diagram 2

DOWNLOAD APP

DOWN LOAD APP FROM QR CODE...IF QR CODE IS NOT TAKING YOU TO THE WEBSITE TYPE IN THE ADDRESS (1) FOR iPhone (2) FOR ANDROID

(1) iPhone :
- **Go to your App Store**
- **Search for the "Drone FPV" app**
- **Download & install application onto phone**

(2) ANDROID :
- **Go to http://bit.ly/1DZOUS0 (case sensitive)**
- **Click green download button**
- **Open application file on your phone and install**

SCANNING QR CODE FOR DOWNLOADING DRONE FPV

QR code for Apple IOS system (IOS 5.0 and later version available)   QR code for Android system (Android 4.1 and later version available)

CONNECTING TO WI-FI / MENU SCREEN

- Turn ON Drone, the light on the bottom of the camera turns green (Diagram 1)
- Next to the camera green light is a red light that is blinking slowly. This indicates it is waiting for a connection to the Wi-Fi. Once you have a Wi-Fi connection the red light will stop blinking (Diagram 1)
- Go to the setting buttons in your Smartphone, open Wi-Fi, lock into the FPV WIFI*** (Diagram 2)
- Open the DRONE FPV app (Diagram 3)
- The camera view and Wi-Fi menu will appear on your screen (Diagram 4)
- At the top of your Smartphone screen are icons. Touch the Wi-Fi icon until it turn red. Once it turns red you are connected and the camera is on (Diagram 4)
- Camera is now on and you can see what the camera sees on your Smartphone screen

  You are now connected and the camera red light will stop blinking, turning to a solid red
  You can now control the program by taking photos or videos. Once a photo or video is taken it can be found in the menu file folder icon (Diagram 4)

Diagram 1
- Camera lights

Diagram 2
- Ⓐ Go to settings
- Ⓑ Open: Wi-Fi
- Ⓒ Open: FPV-WIFI_297

Diagram 3
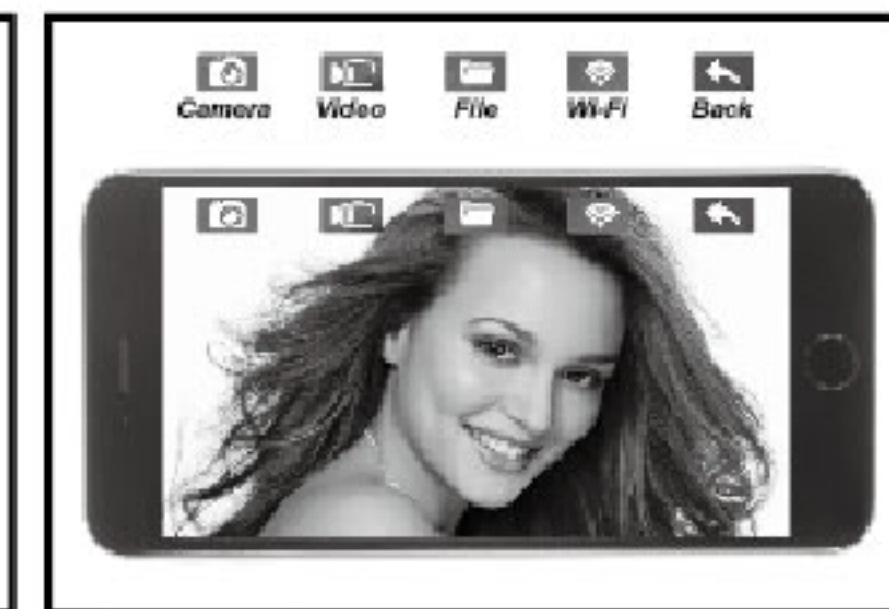- Open the DRONE FPV app
- Push the start botton

Diagram 4
- Camera view
- WI-FI menu

TROUBLE SHOOT APP DOWNLOAD
- App is not downloading go to: www.symatoys.com
- Home page opens, go to window page 2...Syma FPV software
- Takes you to the Syma support for download app
- Download this app ⊕
- The camera view and Wi-Fi menu will appear on your screen (Diagram 4)
- At the top of your Smartphone screen are icons. Touch the Wi-Fi icon until it turn red. Once it turns red you are connected and the camera is on (Diagram 4)
- Camera is now on and you can see what the camera sees on your Smartphone screen

SYMA webstie page 2

ANDROID APP   iPhone / IOS APP

SYMA FPV   SYMA FPV
Drone Camera Download APP   Drone Camera Download APP

HEADLESS FUNCTION SETTINGS TO GO INTO HEADLESS MODE

4-Sided Front / Nose ... All sides become the front
## Easy to Fly ... Ideal for Beginners
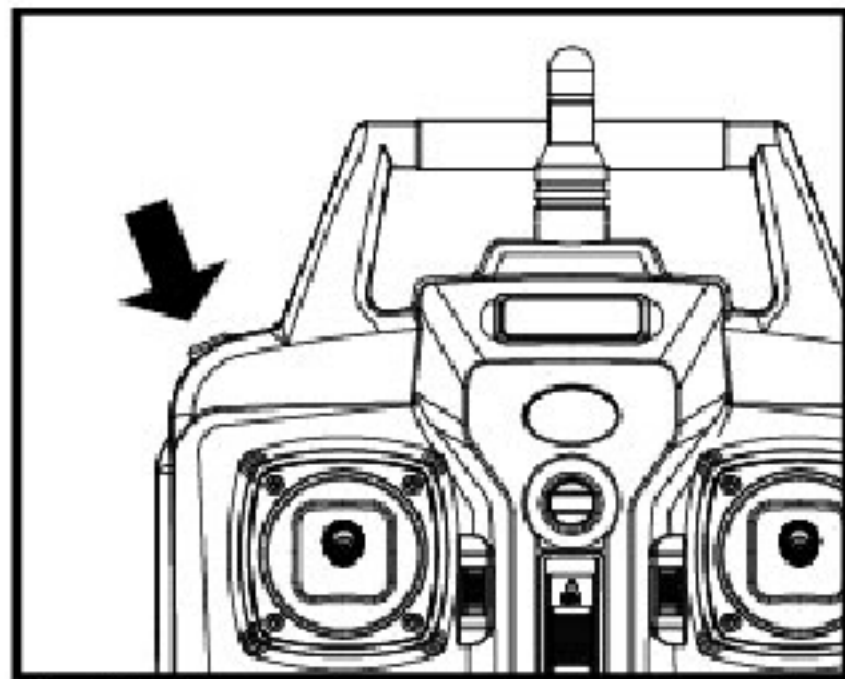
1. Settings to go into Headless mode
- Turn ON Drone and remote controller
- Allow 10 seconds for frequency matching
- Press the RC left shoulder button down for 2-3 seconds
- You will hear a beeping sound from RC. The beeping sound indicates you are now in Headless function mode
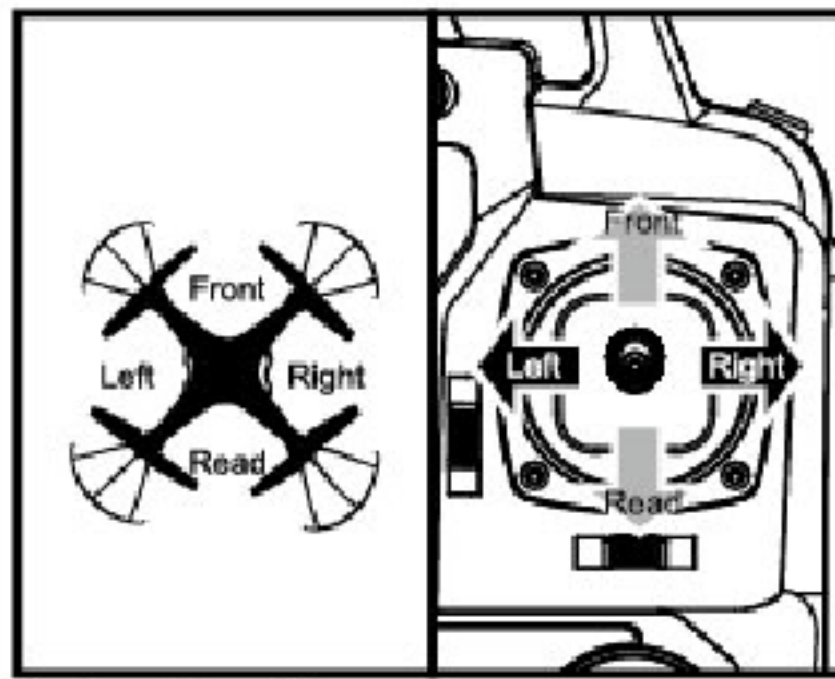
2. In Headless mode
Once in Headless mode, all sides become the front / nose, making it easy to fly. You no longer have to realize there is a front, back, left or right side
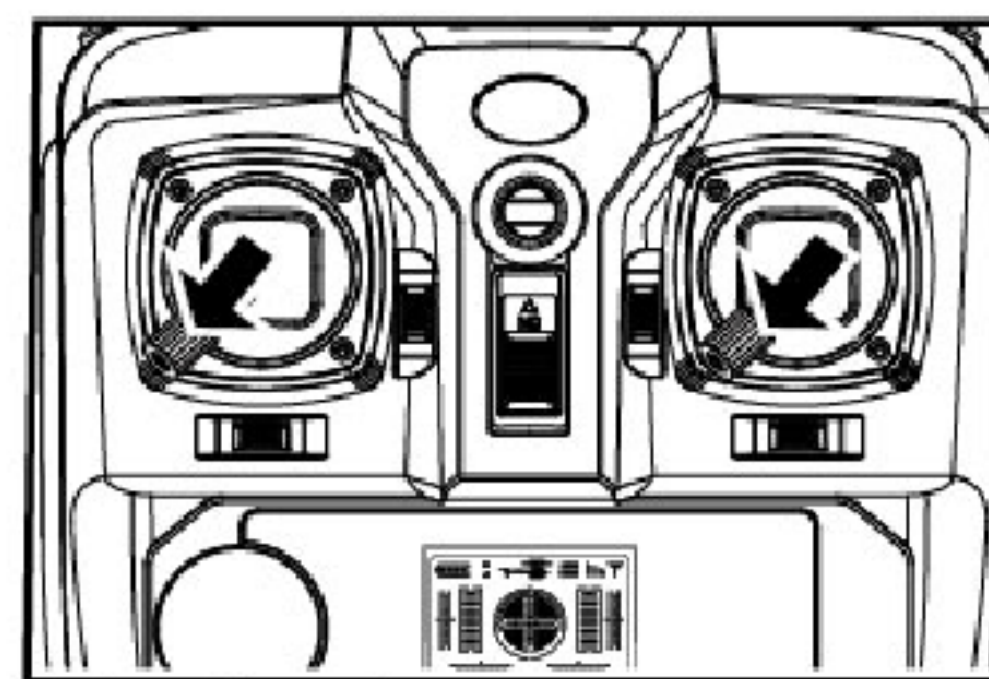
3.Crash or straying
Should the unit crash or deviate - start flying off course while in the Headless mode it is easy to reset by:
- Simultaneously pull both left and right throttles to the bottom left of RC
- Drone LED lights will blink quickly until reset mode has completed, taking up to 3 seconds. When complete the Drone LED lights fast blinking stops and goes back into a slow blink

FLYING INSTRUCTIONS
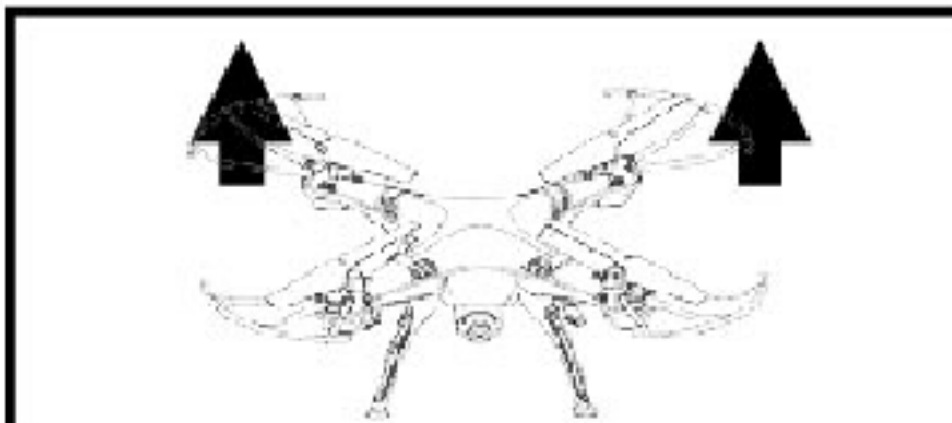
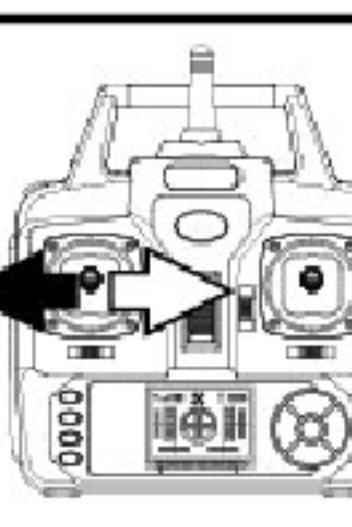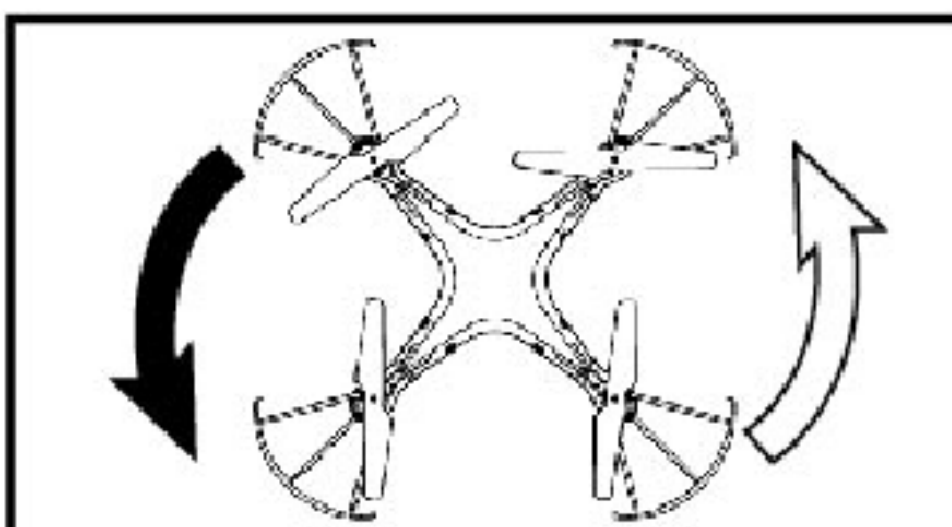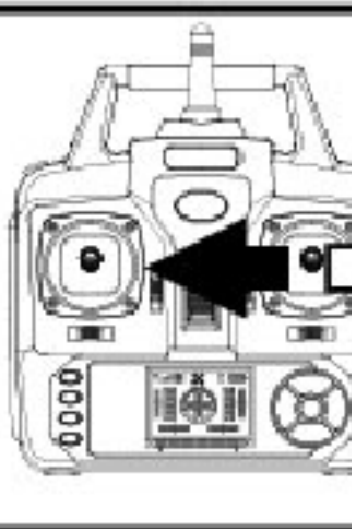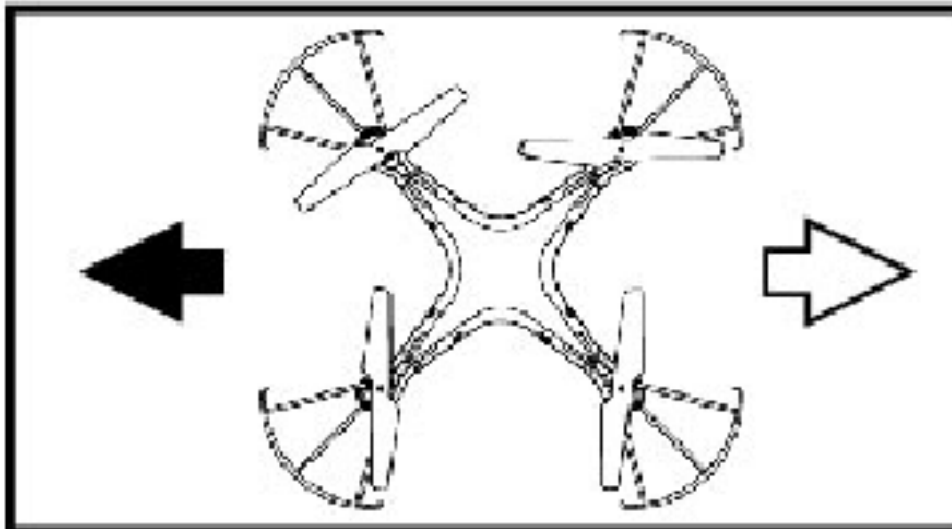|			
■ Ascending			Gently push left throttle stick up. Motors speed will increase, Drone will fly upward
■ Descending			Gently push the left throttle stick down. Motors speed will decrease, Drone will fly downward
■ Forward			Gently push the right throttle up. Front motors speed will increase, the front of the Drone will tilt forward as Drone flies forward
■ Backward			Gently push the right throttle down. Back motors speed will increase, the back of the Drone will tilt backward as Drone flies backward
■ Turning			Gently push the left throttle right for right turns and left for left turns. Appropriate motors speed will increase as the Drones turns left or right
■ Strafe Left / Right			Gently push the right throttle left for Strafe left or right for Strafe right, Drone will fly to the left or right side (side to side flying)
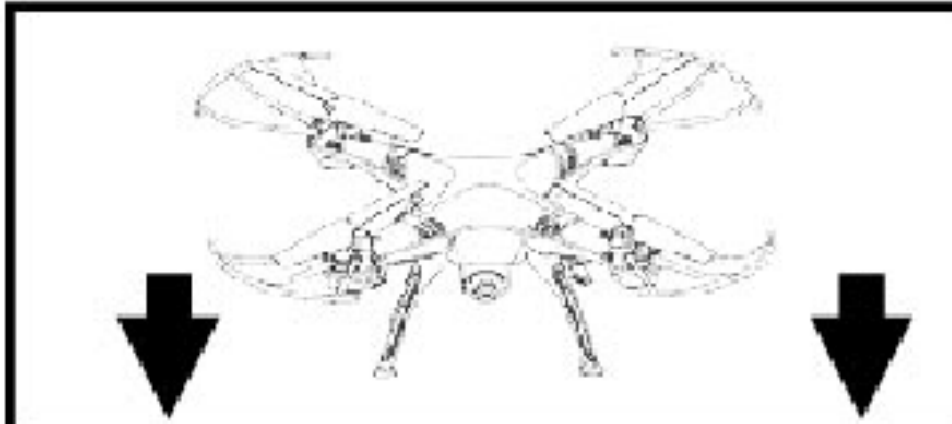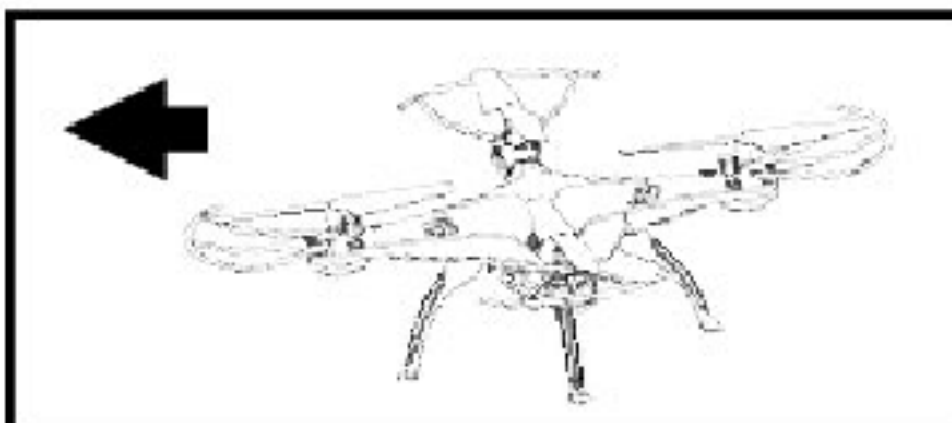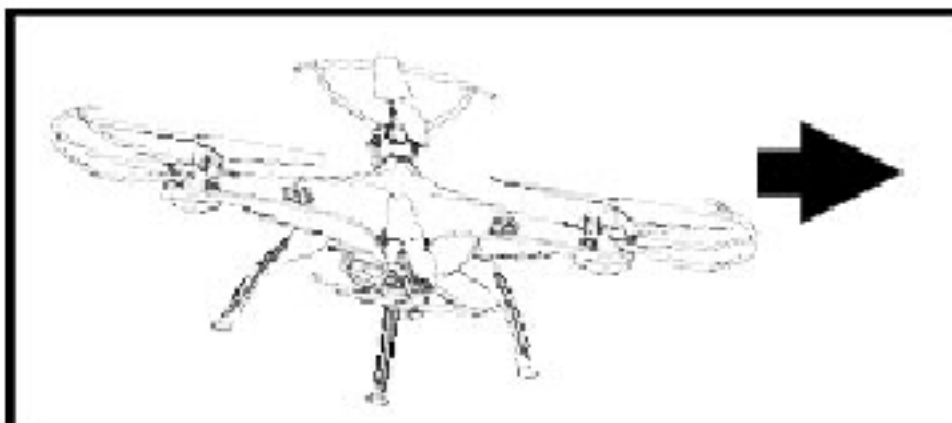
2 - SPEED SETTINGS

- Push RC top left shoulder button for speed settings
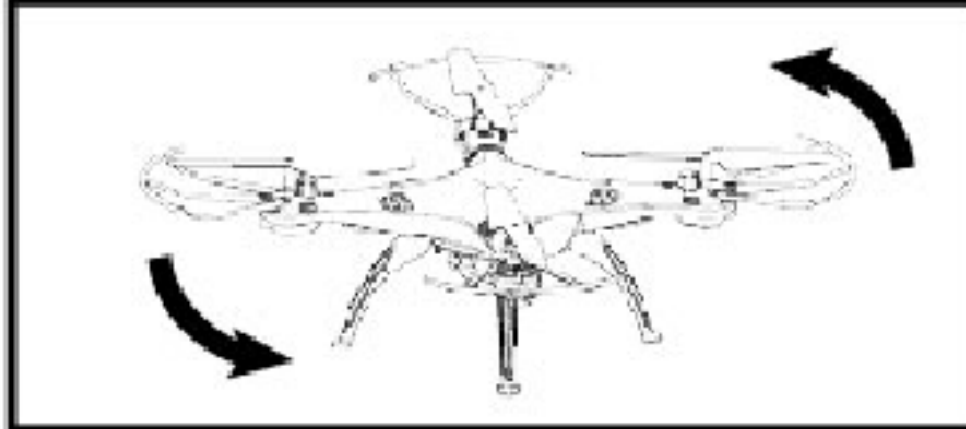- High or low speed

360° FLIPS
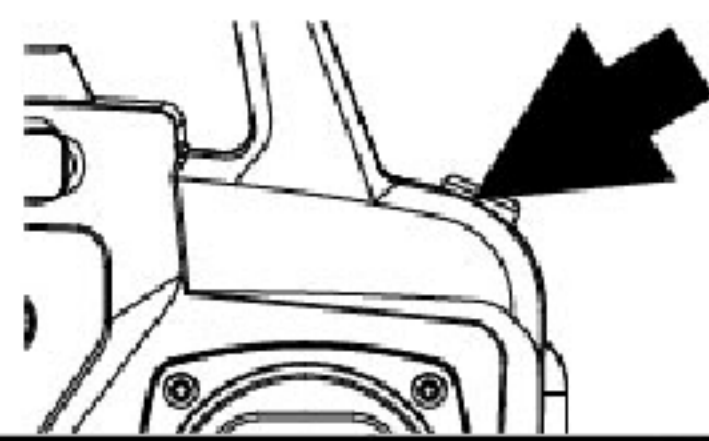
Push RC top right shoulder button for 360° flips
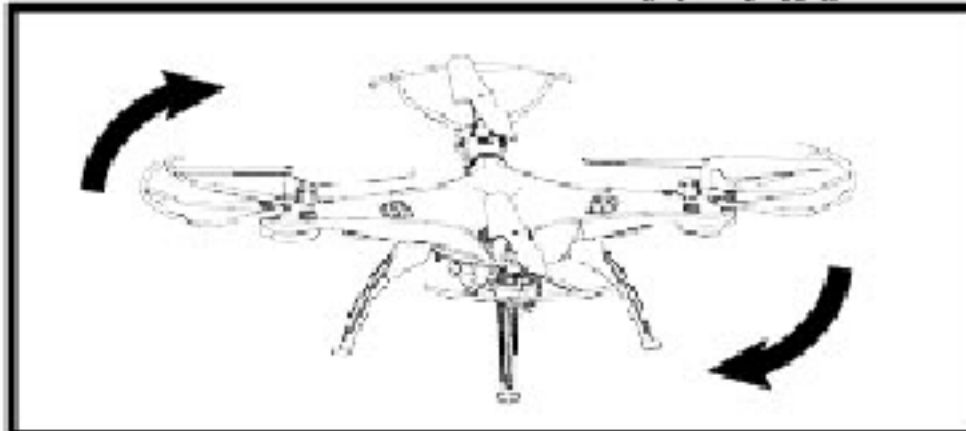
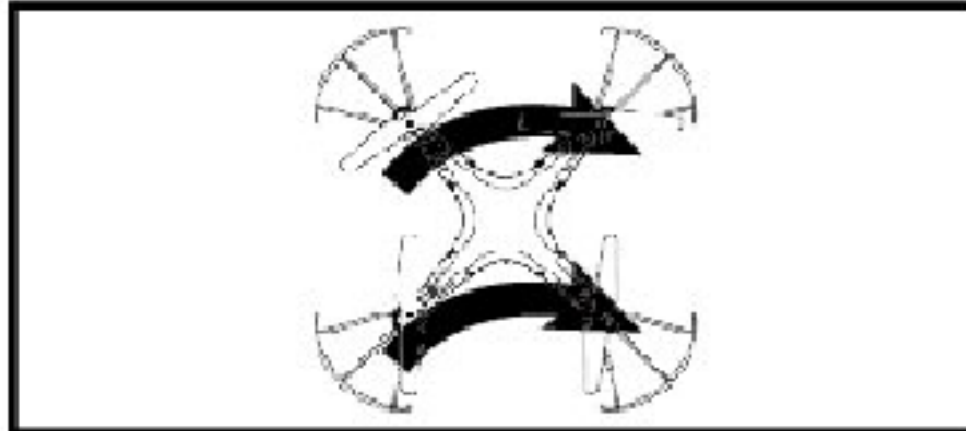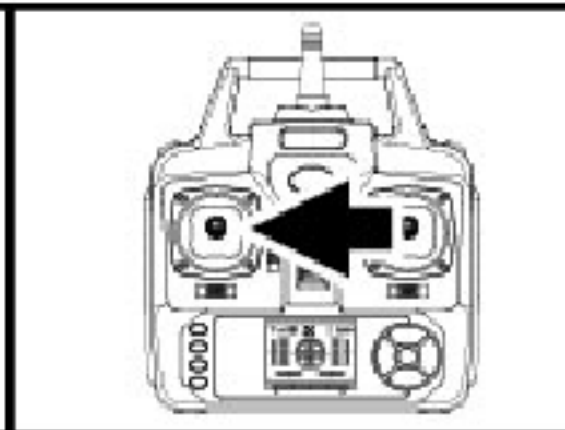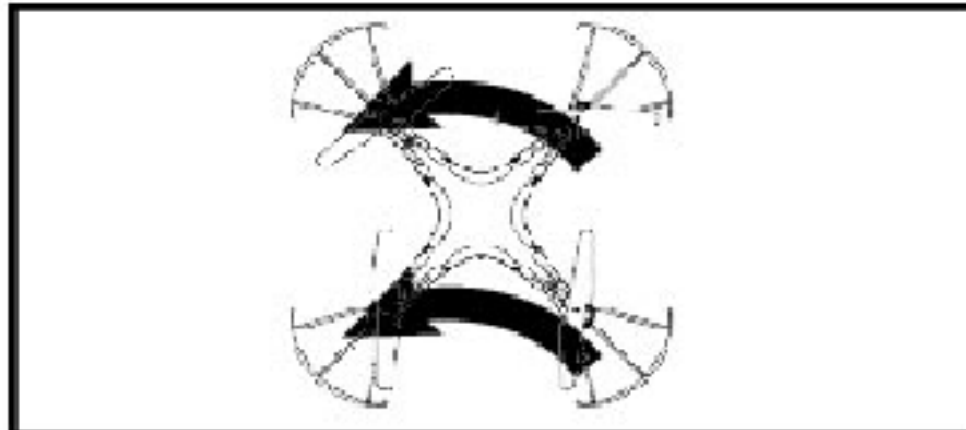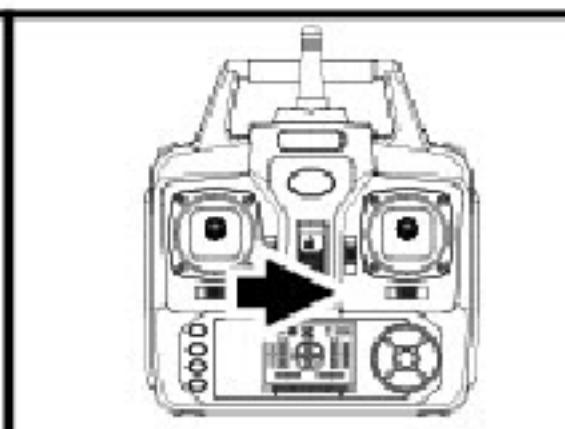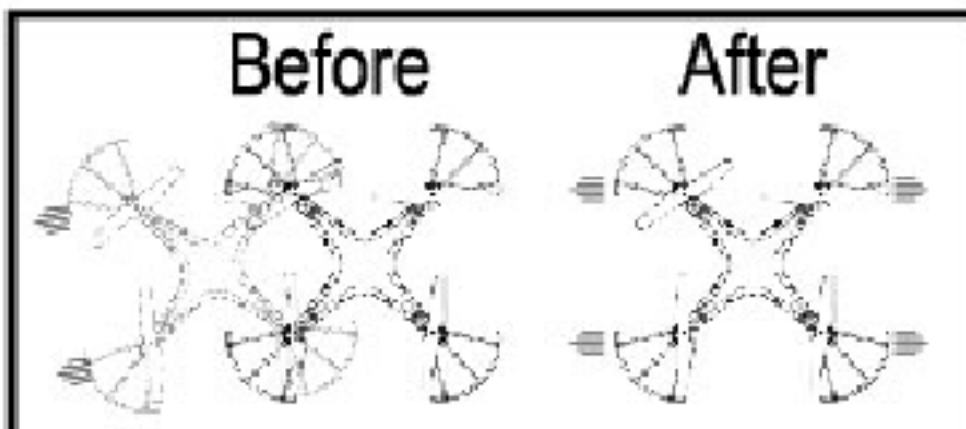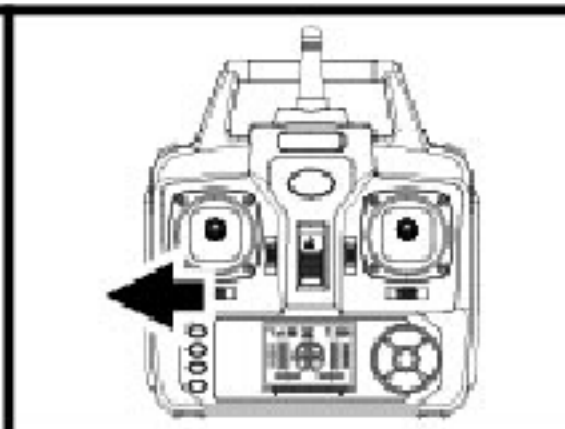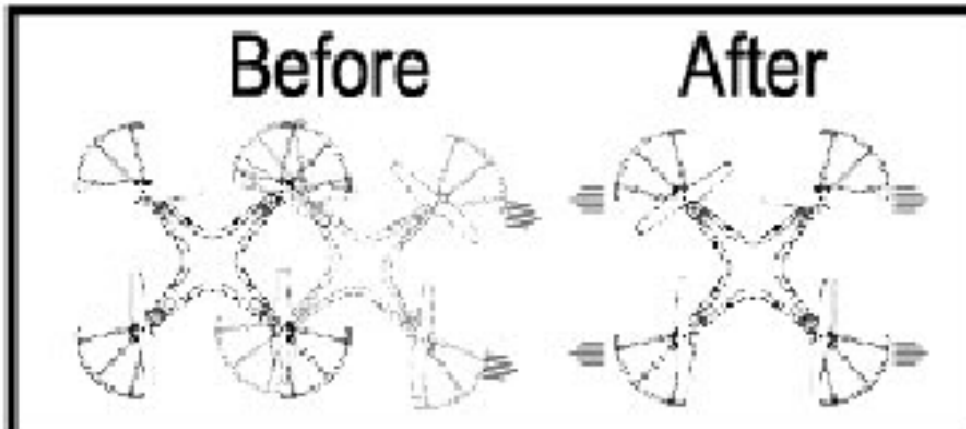|			
Forward 360° Flips			While Drone is flying forward, push the 360 RC flip button. Drone will flip forward while flying forward
Backward 360° Flips			While Drone is flying backward, push the 360 RC flip button. Drone will flip backward while flying backward
Right Side 360° Flips			While Drone is flying to the right, push the 360 RC flip button. Drone will flip right while flying to the right
Left Side 360° Flips			While Drone is flying to the left, push the 360 RC flip button. Drone will flip left while flying to the left

CALBRATION TRIM CONTROL

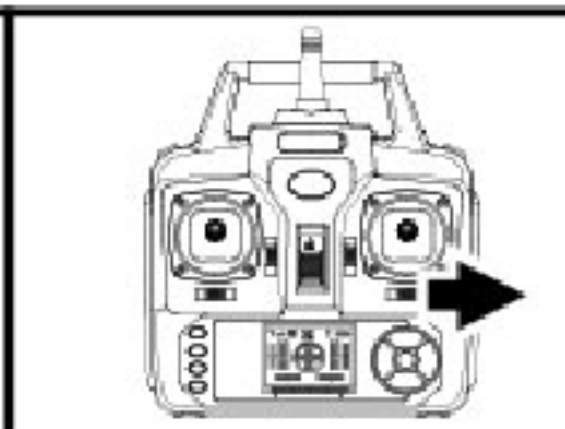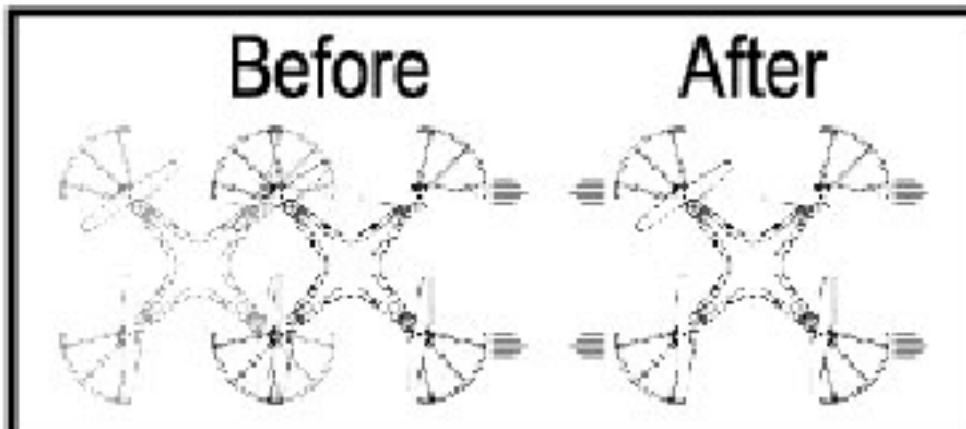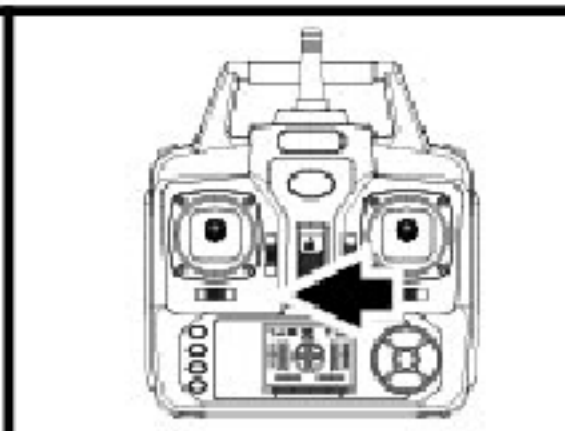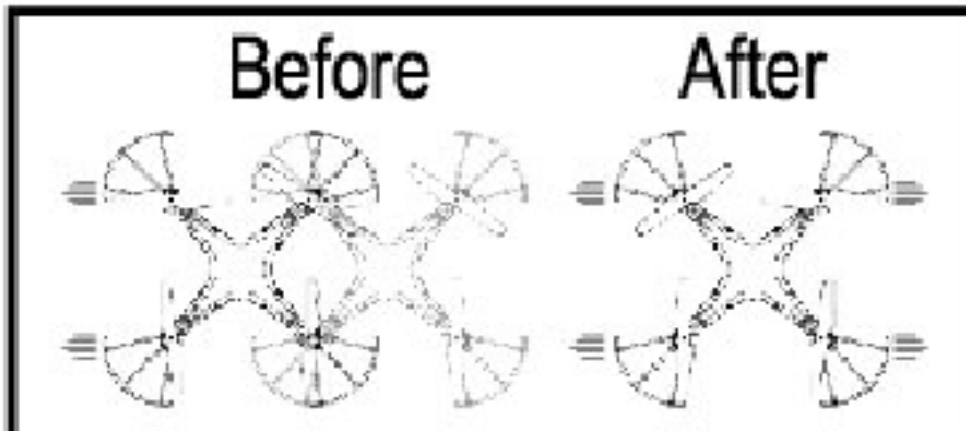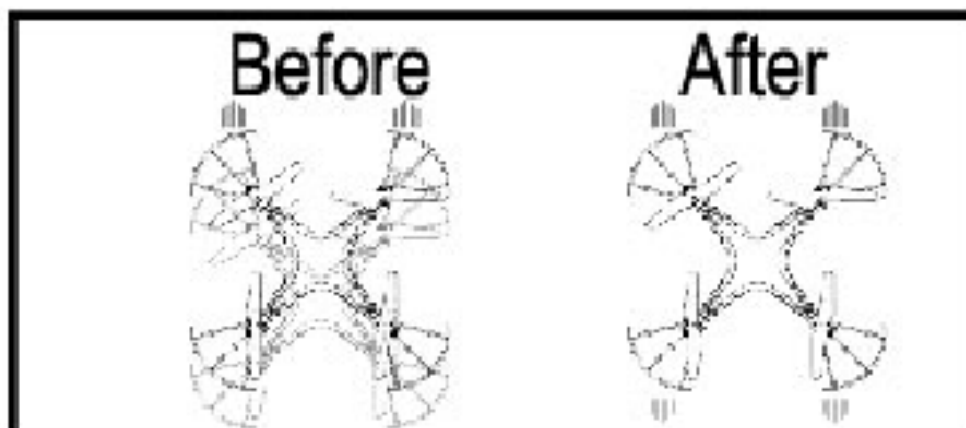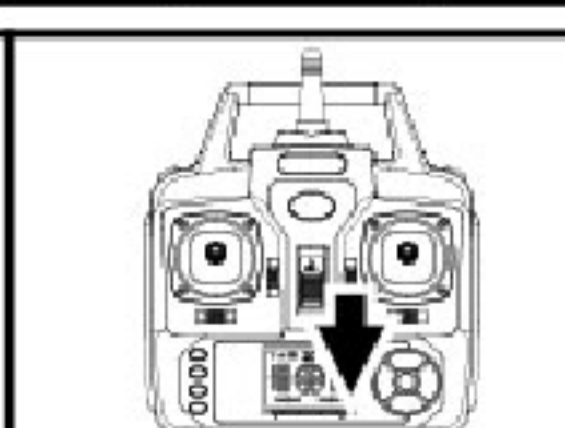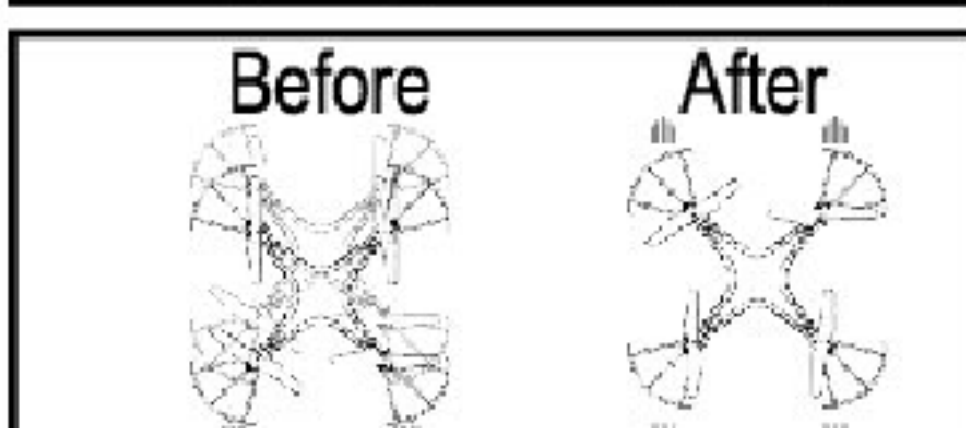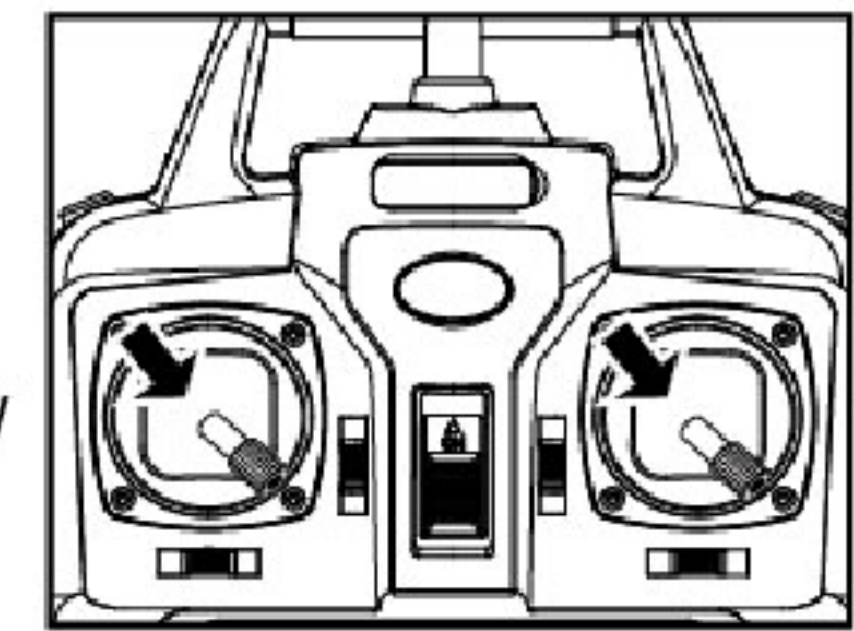|	Before	After		
Trim Control Right				Drone is turning right. Push the appointed calibration trim control button until excessive right turning stops
Trim Control Left				Drone is turning left. Push the appointed calibration trim control button until excessive left turning stops
Trim Control Strafe Right				Drone is drifting to the right. Push the appointed calibration trim control button until excessive drifting stops
Trim Control Strafe Left				Drone is drifting to the left. Push the appointed calibration trim control button until excessive drifting stops
Trim Control Forward				Drone is drifting forward. Push the appointed calibration trim control button until excessive drifting stops
Trim Control Backward				Drone is drifting backward. Push the appointed calibration trim control button until excessive drifting stops

LIFT OFF CORRECTION

Place the Drone on a flat surface and turn it ON. Turn ON RC and push both left and right throttle to the bottom right corner of the RC. Hold in this position for 3-5 seconds, you will see the Drone LED lights quickly blink until the blinking almost stops which will take 3-5 seconds. Once the Drone LED lights stop blinking quickly the Drone should properly lift off

TROUBLE SHOOTING

PROBLEMS	SOLUTIONS
Transmitter / RC is not turning on	Replace remote controller 'AA' batteries
Battery is not charging	Make sure the battery is properly plugged into the USB charge wire Make sure the battery wires are intact and have not separated from the contact point Make sure your power supply to the USB charge wire is working
Drone is not flying stable or lifting off	Recharge Drone battery Re-sync transmitter RC to Drone (match frequency) Push the calibration trim reset button Make sure the battery cover door is closed Make sure there is no debris in the motors Make sure the blades are turning freely
Drone is not flying	Recharge Drone battery Make sure the battery is properley pluged into the Drone Go back to the "Lift off correction function" in the manual
Camera is not working	Make sure the cameras wire is plugged into the Drone Turn Smartphone OFF for 15 seconds, then back ON. Make sure you have a Wi-Fi connection and the bottom of the camera lights are back ON

You will find most problems are very simple to fix
Usually the Drone battery needs to be recharged. Blades are hitting the protective cages

FLIGHT ENVIRONMENT INDOOR / OUTDOOR

INDOOR:
• Avoid obstacles, fans, forced air, water, heat and air-conditioning vents
• Recommended flying ares: 20'L x 20'W x 12'H (6.09 m x 6.09 m x 3.65 m)
• Keep flying Drone away from pets, young children, pedestraians, the elderly and the disabled

OUTDOOR:
• Do not fly on windy or rainy days, or in snow - fly in good weather
• Do not fly if you see lightning or other threatening weather
• Do not fly near trees, buildings, homes, or similar structures
• Do not fly near moving methods of transportation or pedestrians
• Do not fly near overhead telephone, electrical wires or cables
• Recommended flying area: 40' x 40' (12.19 m x 12.19 m)
• Keep away from water and excessive moisture

WHEN NOT IN USE

• Be sure USB charge-wire is unplugged from power supply
• Turn Drone power switch OFF
• Turn transmitter RC power switch OFF
• When not in use for 30-Days or more, remove transmitter batteries. Batteries may leak and cause damage

WARNING

• Do not place stickers, weight, or anything else on the Drone. This may cause the unit to crash or malfunction voiding the warranty
• Avoid flying under low ceilings. Crashing into ceilings may cause damage to the Drone
• To avoid injury, do not touch the blades or any other moving parts
• Allow 10 minutes for the battery to cool down before touching
• Keep flying Drone away from pets, young children, pedestraians, the elderly and the disabled
• Keep your hair and loose clothes away from moving blades - do not let flying drone get to close to you
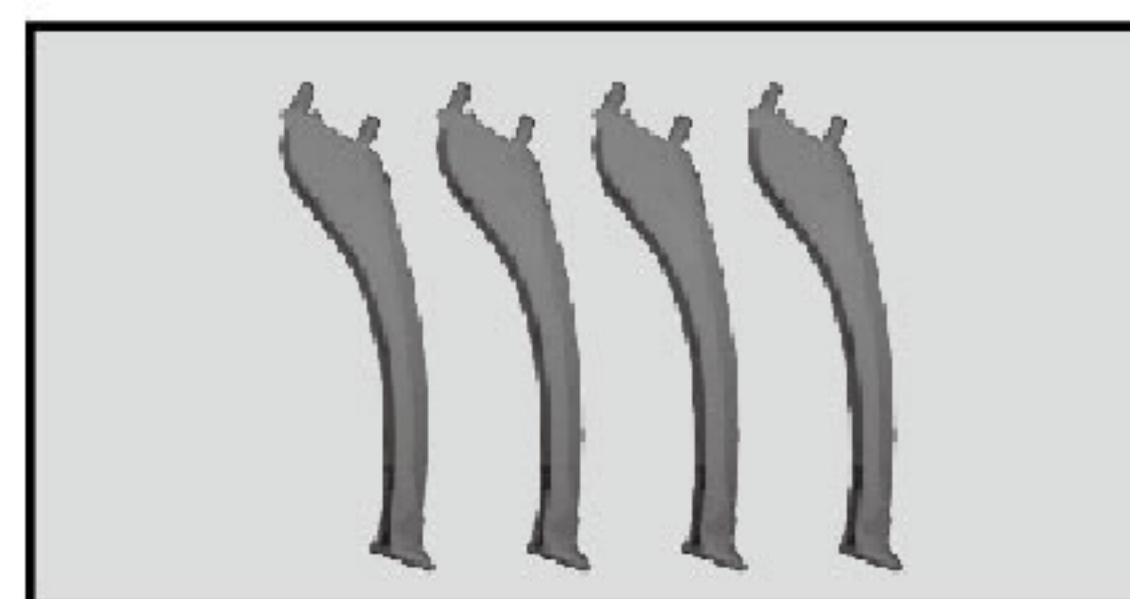
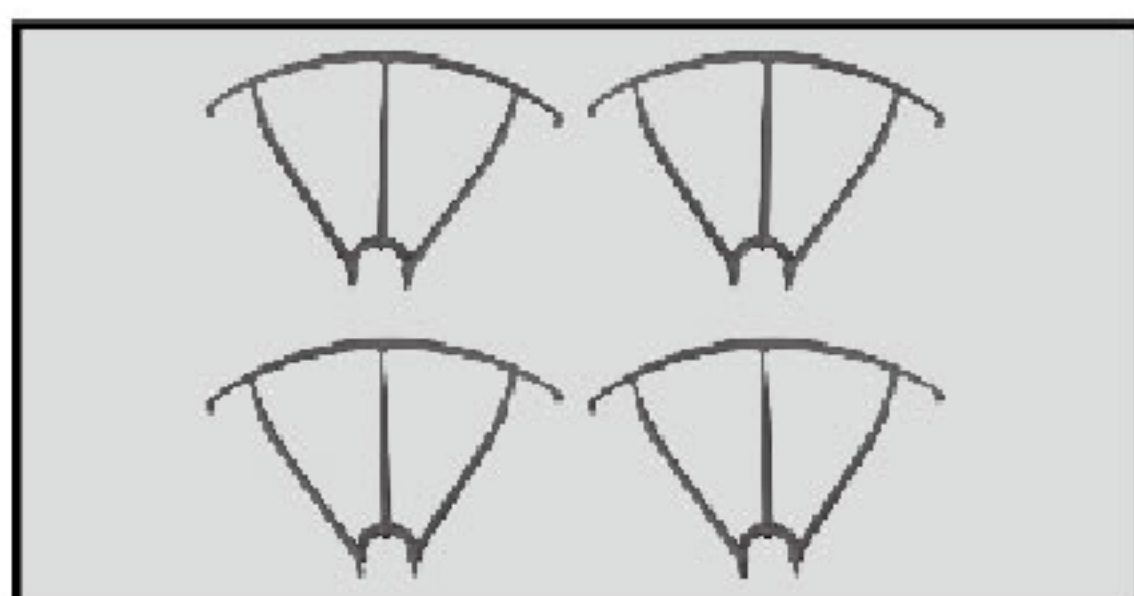## USE GOOD COMMON SENSE WHEN FLYING!
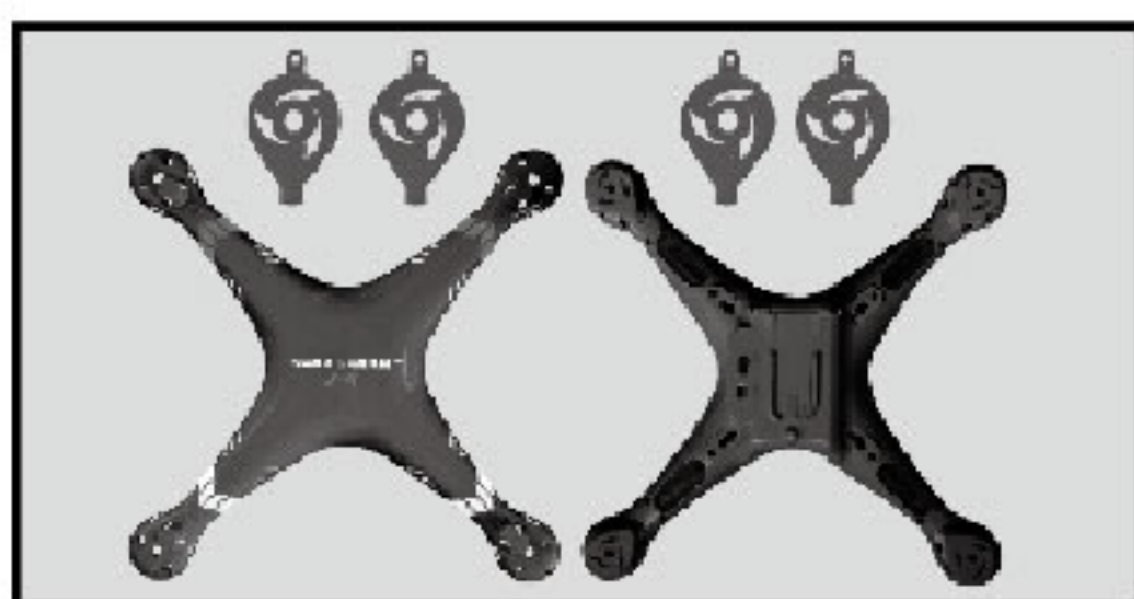
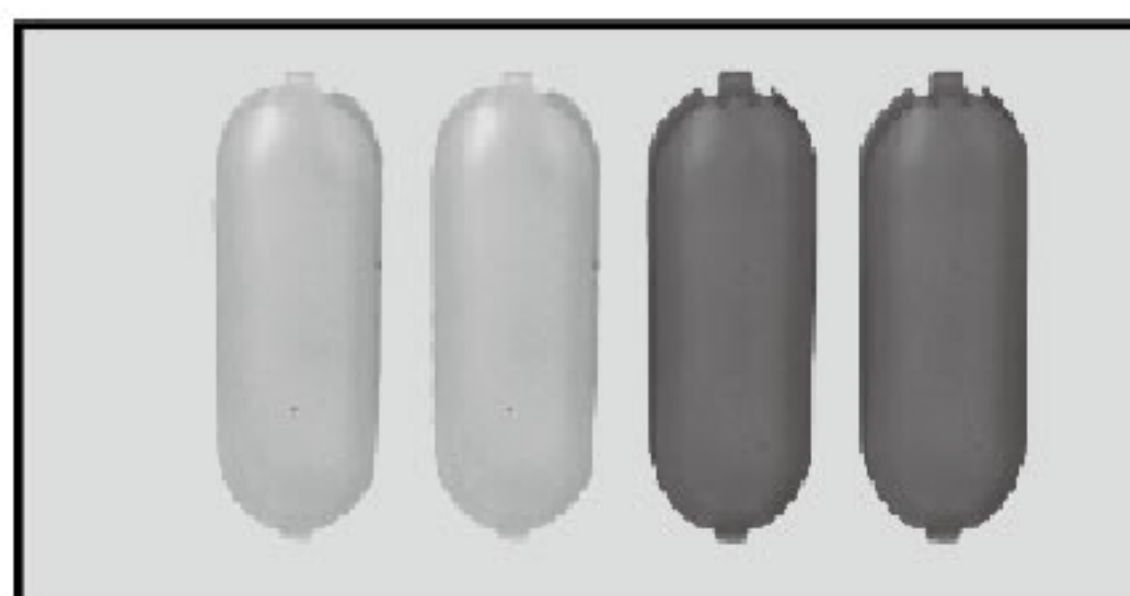**#1** Drone body top and bottom
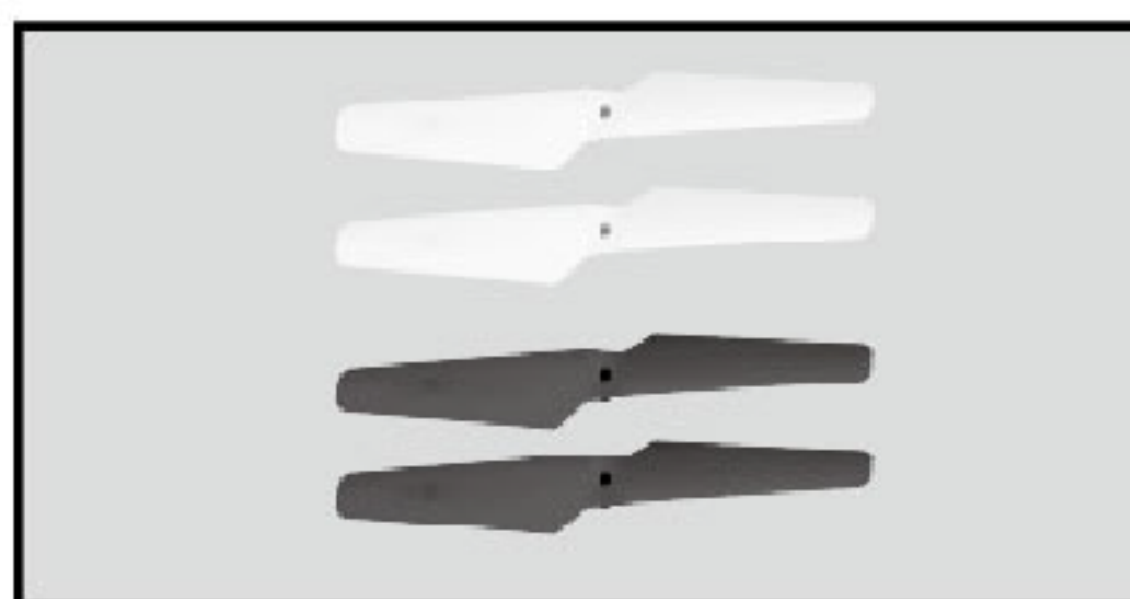
#2 Main blades

#3 Landing gears

#4 Protective blade guards

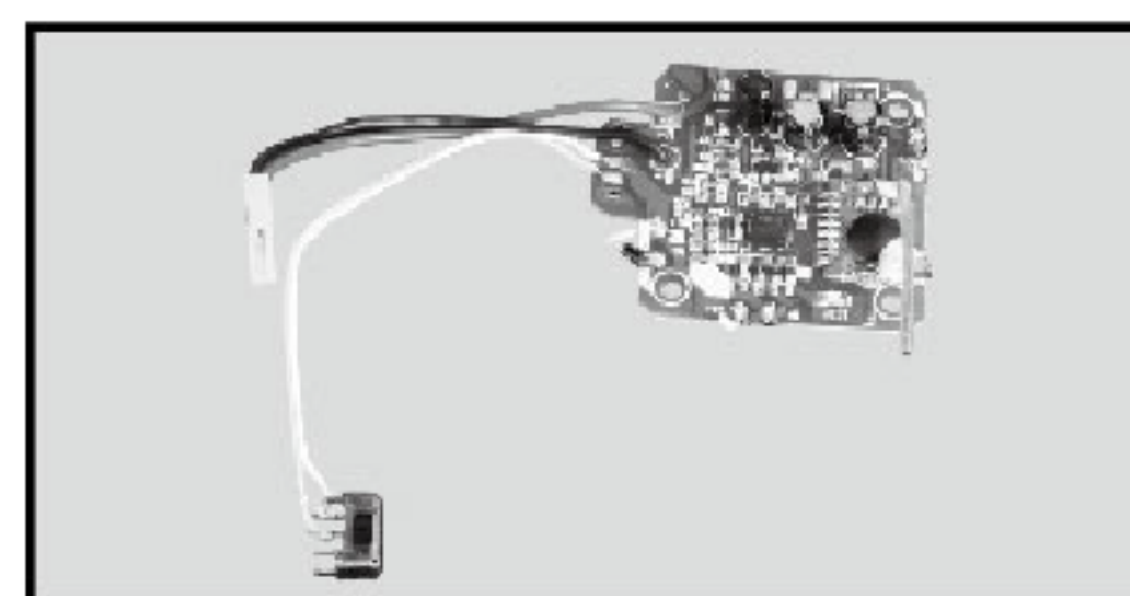**#5** LED protective light covers
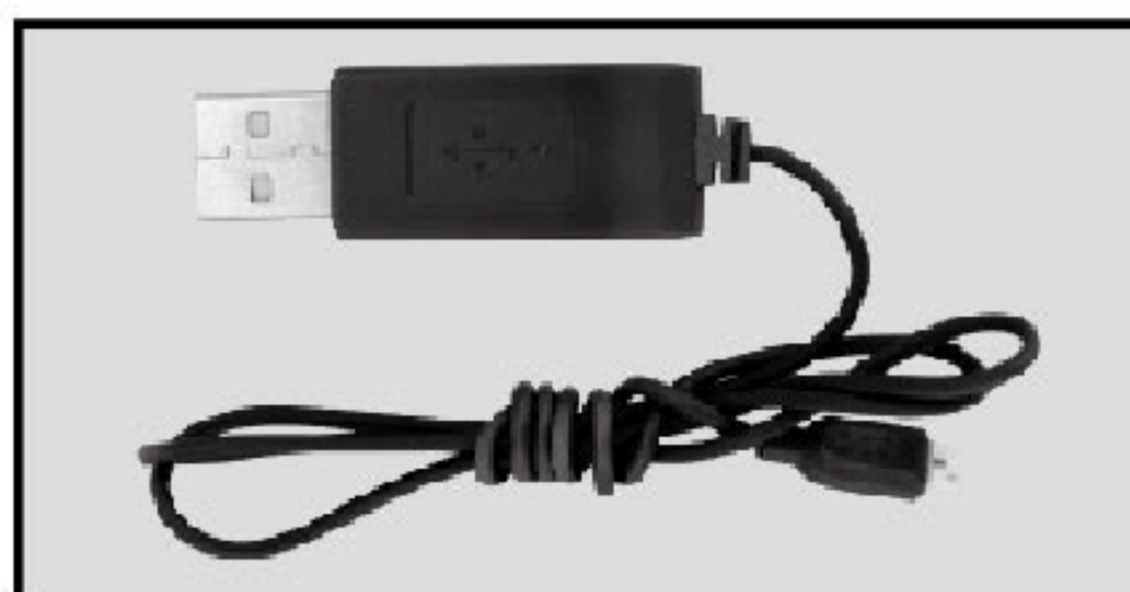
#6 Motor A

#7 Motor B
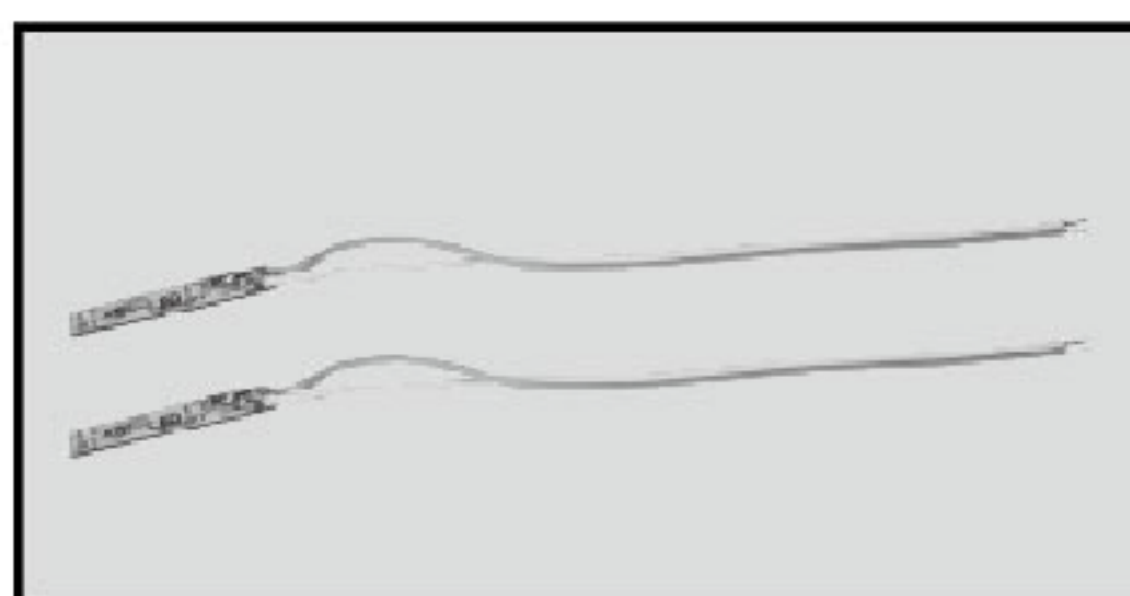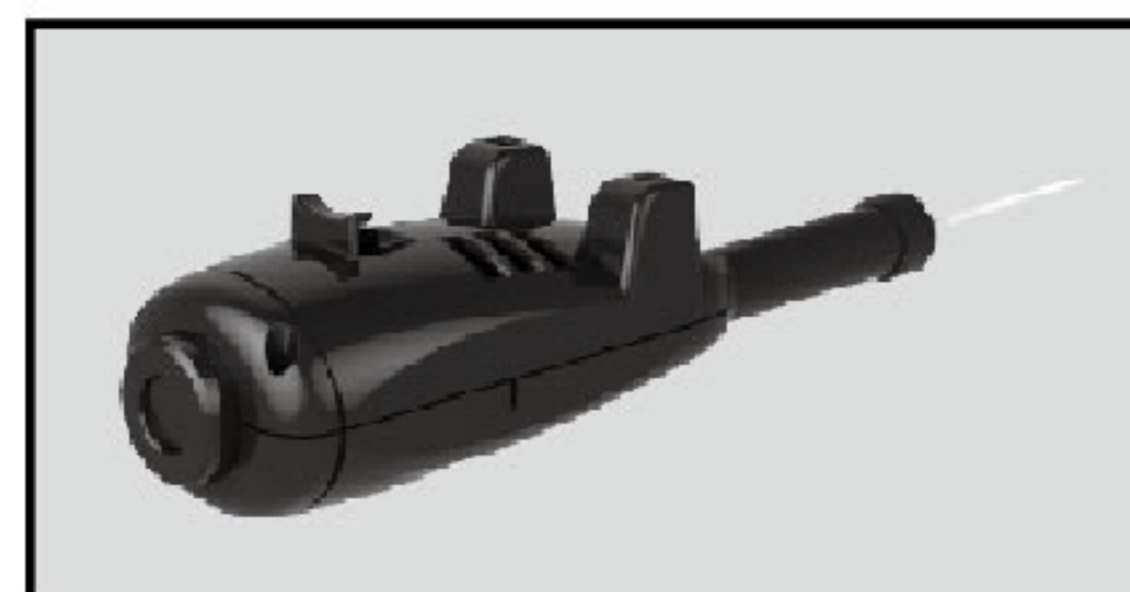
#8 LED lights

#9 Drone circuit board with ON /OFF switch

#10 3.7V 500mAh Li-poly battery

#11 USB charge-wire with built-in charge light

#12 Wi-Fi camera

#13 2.4GHz remote controller with LCD screen

#14 Smartphone clip holder

USE GOOD COMMON SENSE WHEN FLYING TO AVOID DAMAGE OR INJURY

AVOID DANGER
DO NOT TOUCH ANY MOVING PARTS – KEEP YOUR HAIR AND LOOSE CLOTHES AWAY FROM MOVING BLADES – DO NOT LET FLYING DRONE GET TO CLOSE TO YOU – ALLOW BATTERY TO COOL DOWN FOR 10 MINUTES BEFORE TOUCHING

PARTS - SERVICE - REPAIR
Tel: 248.809.2129 Toll Free: 866.296.2700
E-mail: Service@SwiftStreamRC.com
Website: www.SwiftStreamRC.com

OPEN Mon - Fri 9am to 6pm / Sat 10am to 3pm (EST)

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