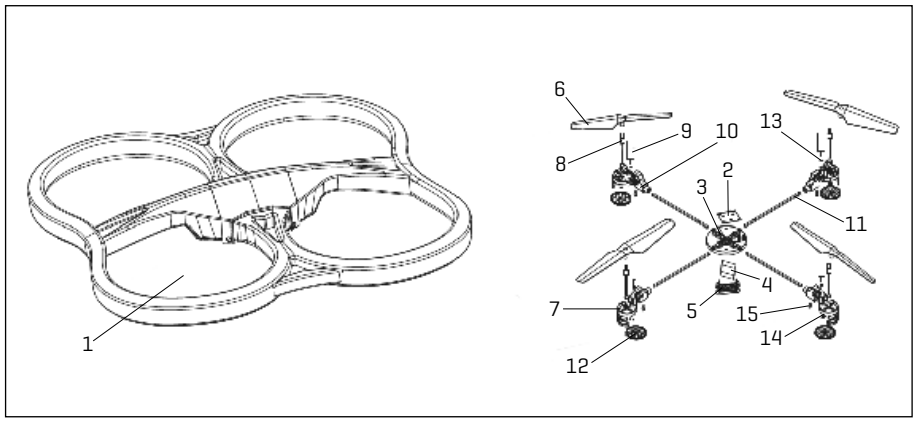
PARTS LIST



Number	Description	Quantity
1	Styrofoam Shell	1
2	Receiver Board	1
3	Frame	1
4	Battery	1
5	Battery Box	1
6	Blade	4
7	Motor Block	4
8	Main Shaft	4
9	Motor	4
10	Motor Cover	4
11	Carbon Fiber	4
12	Motor Pinion Gear	4
13	Copper Gear	4
14	Copper Seat	4
15	LED Light	4

WARRANTY / CUSTOMER SERVICE

Sharper Image branded drones and RC quadcopters purchased from SharperImage.com include a 60-day limited replacement warranty. If you have any questions not covered in this manual, please call Sharper Image Customer Service at 1 (877) 210-3449.

SHARPER IMAGE®

SHARPER IMAGE®

VIDEO CAMERA DRONE WITH LED LIGHTS

Item No. 205096

Thank you for purchasing the Sharper Image Video Camera Drone with LED Lights. Please read this manual carefully and store it for future reference.

WARNING: Please exercise caution and common sense when you operate this drone. Improper use of this product can result in serious injury, property damage or damage to the product. It is your responsibility to comply with all applicable laws pertaining to remote controlled and unmanned aerial vehicle flight regulations.

INTRODUCTION

The Video Camera Drone with LED Lights is a sophisticated hobby product, and not a toy. Although it is small, it possesses certain risk factors that should not be overlooked. Please follow the safety and operation recommendations in this guide to ensure correct operation of this aircraft. Do not use this device for anything other than its intended purpose. Sharper Image assumes no liability for accidental damage due to abnormal wear of parts, improper assembly or unsafe operation.

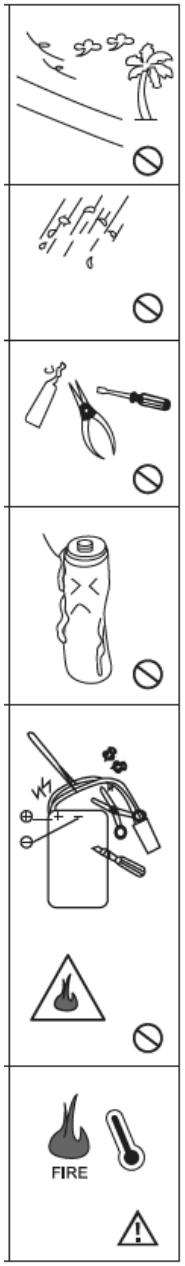
SAFETY WARNINGS

1. This product is suitable for indoor and outdoor use. However, please do not fly if the wind level is over Level 4 (moderate breeze). In addition, do not fly this aircraft near crowds, power lines or other dangerous obstacles. The pilot is solely responsible for any action, damage or injury that occurs while flying this aircraft.

2. This aircraft is constructed with sophisticated electronic components. Please to not expose it to any type of moisture, water, rain, water vapor, etc.

3. For your safety, do not attempt to modify or upgrade this aircraft. Use only the components included in this package.

4. Make sure the transmitter batteries are installed according to the correct polarity indicated on the case. Do not mix old and new batteries. Do not mix different types of batteries. If you are not going to use this drone for a long period of time, remove the batteries to avoid potential leakage and damage to the transmitter. Always dispose of batteries in accordance with local laws.



USING THE ONBOARD VIDEO CAMERA [CONT.]

7. After inserting the card/card reader into your computer, go to the "NO NAME" drive on your computer desktop. Open the DCIM folder and go into the 100DSCIM folder. The AVI files can be played back on many media players, such as QuickTime. For faster playback, copy the files to your computer hard drive.

NOTE: If you have trouble with QuickTime, try a different media player or search online for a free downloadable AVI player. All files on the Micro SD card can be removed or erased without compromising the video camera. The video camera will regenerate the DCIM and 100DSCIM folders if necessary.

Trouble Shooting Guide

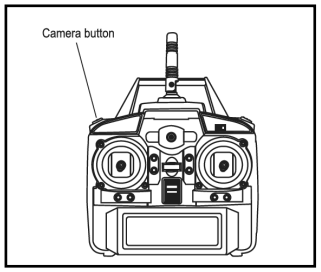
Situation	Possible Cause	Possible Solution
Receiver light keeps flashing.	Cannot pair with Transmitter.	Repeat the power up initialization process.
Drone is not responding at all.	1. Check drone power cable. 2. Check batteries in transmitter. 3. Poor contact on battery terminals.	1. Make sure drone battery is inserted and connected properly. 2. Use fresh AA batteries. 3. Re-seat the batteries and ensure good contact between battery contacts.
Motor does not respond to throttle stick, drone LED flashes.	Drone battery is depleted.	Recharge the drone battery fully.
Rotors spin but drone cannot take off.	Deformed/damaged main blades.	Replace main blades.
Drone is vibrating loudly.	Deformed main blades.	Replace main blades.
Tail trim is off / inconsistent speed during left right turns.	1. Damaged tail rotors. 2. Damaged tail drive motor 3.Drone gyroscope did not detect horizontal point.	1. Replace main blades. 2. Replace the main motor. 3. Place drone on a flat surface and reboot.
Drone drifts forward after trim has been adjusted.	Drone gyroscope did not detect the midpoint.	Place drone on a flat surface and reboot.

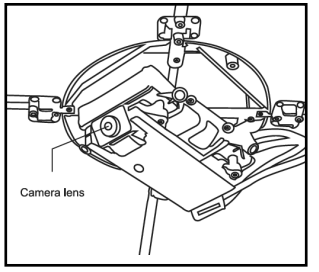
360° STUNT FLIPS

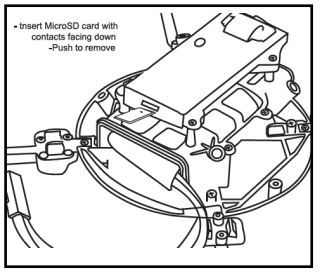
Once you have mastered the basic controls, it's time to try a stunt flip.

1. Be sure drone is at least 20 feet in the air.
2. Press and release the rolling control button to perform a 360° barrel roll.

USING THE ONBOARD VIDEO CAMERA







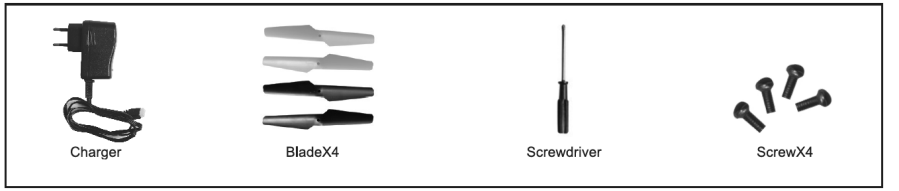
1. Insert the included Micro SD card into the video camera with the copper contacts pointed down.
2. To make a video recording, press the Video Camera ON/OFF button located on the left side of the transmitter.
3. A light under the video camera will glow GREEN when it is in standby mode. The light will flash RED when the camera is recording video.
4. The light will flash RED AND GREEN CONTINUOUSLY when the Micro SD card memory is full. The video recordings (AVI files) must be removed/deleted in order to make room for new recordings. (Or, you may use a different memory card.)
5. To view your recordings, remove the Micro SD card from the rear of the video camera by slightly depressing the Micro SD card and allowing it to spring out enough so you can grab it and remove it from the slot.
6. The Micro SD card can now be inserted intcomputer through a Micro SD card slot or by using the included USB card reader adapter.

SAFETY WARNINGS [CONT.]

5. When charging the drone, use only the charger included in this package. To avoid fire hazards, do not crush, disassemble, burn or reverse polarity of the lithium polymer (Li-Po) battery. If the battery becomes unusually hot, stop charging immediately. Keep this battery and the charger out of the reach of children at all times. Always dispose of batteries in accordance with local laws.

6. Keep away from heat. Do not store this product near an oven or heater. Store it indoors in a climate-controlled, room-temperature environment.

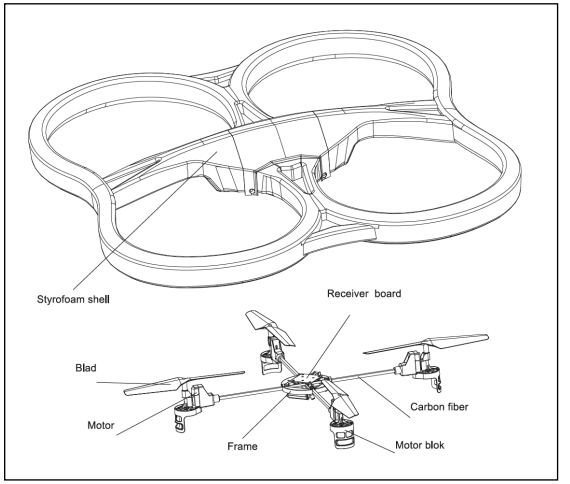
STANDARD ACCESSORIES



Charger Blades (X4) Screwdriver Screws (X4)

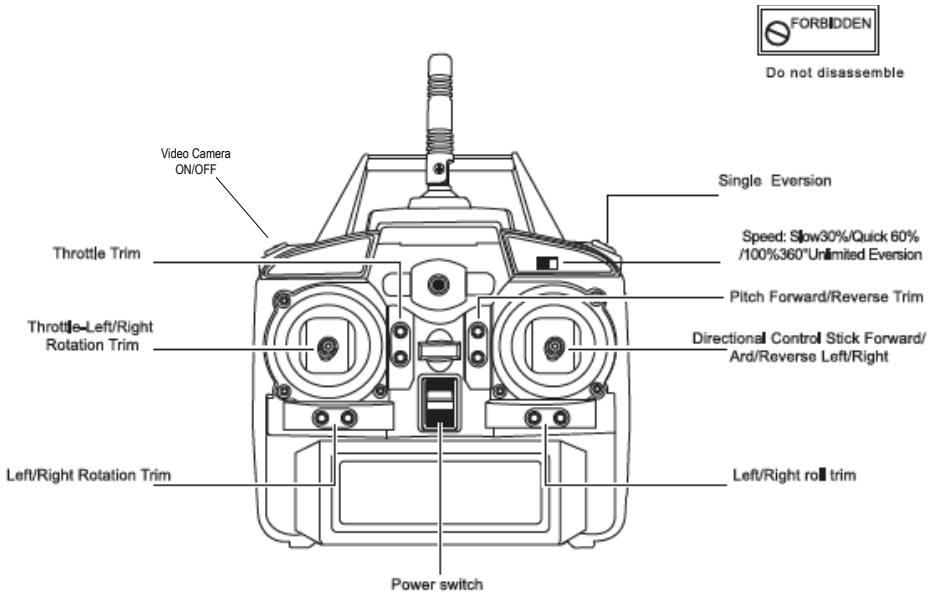
PARTS OF THE AIRCRAFT

A. Styrofoam Shell
B. Receiver Board
C. Blade
D. Motor
E. Frame
F. Motor Block
G. Carbon Fiber

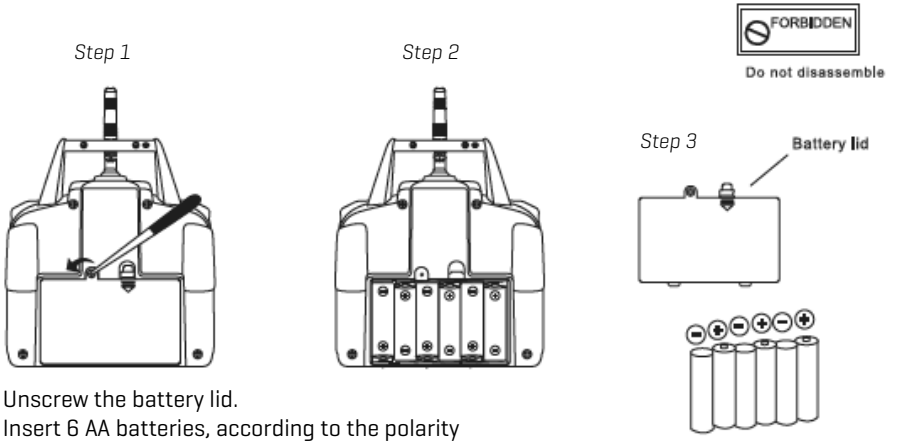


PARTS OF THE TRANSMITTER

Note: Do not disassemble the transmitter.



TRANSMITTER BATTERY INSTALLATION



1. Unscrew the battery lid.
2. Insert 6 AA batteries, according to the polarity ("+" or "-") shown on the case.
3. Replace the battery lid and screw into place.

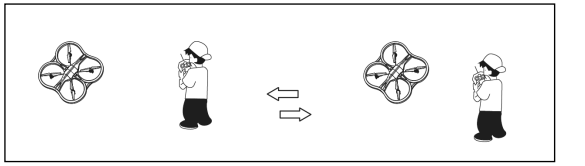
NOTE: Do not mix old and new batteries. Do not mix different types of batteries.

CAUTION

- If the nose of the drone moves, please lower the throttle stick and land the vehicle. Then move your position diagonally behind the drone 16 feet and continue practicing.
- If the drone flies too far away, please land the drone. Move your position diagonally behind the drone 16 feet and continue practicing.

DIRECTION CHANGE AND HOVERING PRACTICE

After you are familiar with the above steps, stand at a side of the drone and continue practicing the steps above. Then repeat this exercise by standing in front of the drone.

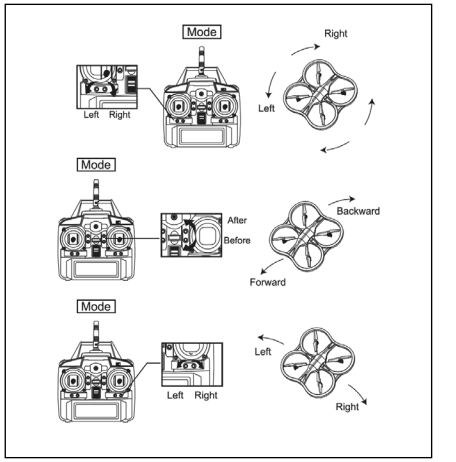


ADJUSTING THE TRIM

What to do if the nose of the drone leans right or left:

- If it leans RIGHT: press the LEFT trim button.
- If it leans LEFT: press the RIGHT trim button.

NOTE: These trim buttons are on the LEFT side of the transmitter, just below the stick.



What to do if the drone drifts forward or backward:

- If it drifts FORWARD: press the BACKWARD trim button.
- If it drifts BACKWARD: press the FORWARD trim button.

NOTE: These buttons are on the RIGHT side of the transmitter, to the left of the stick.

What to do if the drone drifts right or left:

- If it drifts RIGHT: press the LEFT trim button.
- If it drifts LEFT: press the RIGHT trim button.

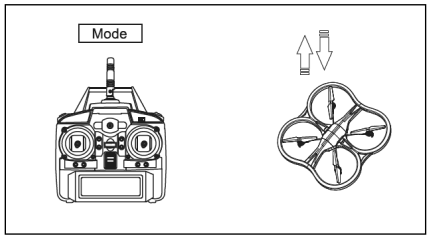
NOTE: These buttons are on the RIGHT side of the transmitter, just below the stick.

CAUTION

- Be sure that no people or obstructions are nearby as you practice.
- You must first practice hovering. (This is a basic flight action.) "Hovering" means keeping the drone in mid-air in a fixed position.
- Please stand approximately 12 feet behind the drone while it is flying.

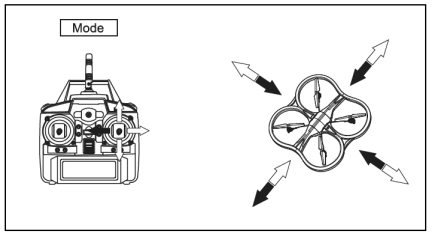
THROTTLE CONTROL PRACTICE

- When the vehicle begins to lift off the ground, slowly reduce the throttle to bring the flight vehicle back down. Keep practicing this skill until you can control the throttle smoothly.



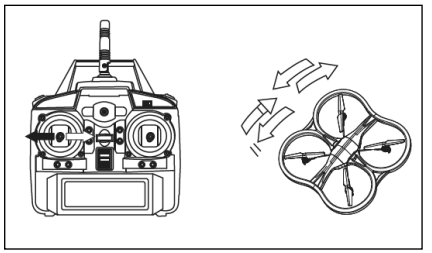
AILERON AND ELEVATOR CONTROL PRACTICE

- Raise the throttle stick slowly.
- Move the drone in any direction: forward, back, left and right. Slowly move the Aileron and Elevator Sticks in the opposite direction to fly back to its original position.



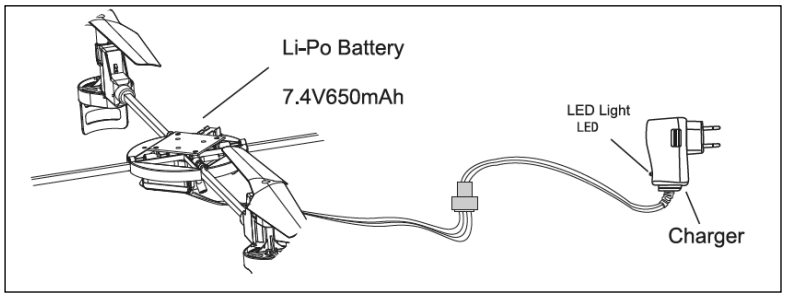
RUDDER CONTROL PRACTICE PRACTICE

- Slowly raise the throttle stick.
- Use the rudder stick to move the nose of the drone to the right or the left. Then, slowly move the rudder stick in the opposite direction to fly back to its original position.



NOTE: After you are familiar with the above actions, draw a circle on the ground and practice within the circle to increase your accuracy. Reduce the size of the circle as you become more advanced.

CHARGING THE DRONE



CAUTION: To avoid fire hazards, use only the charger included in this package.

1. Connect the charging cable to the drone battery.
2. Plug the other end of the charging cable into an AC outlet.
3. While the battery is charging, the LED on the charger will light up RED.
4. When the battery is fully charged, the LED on the charger will light up GREEN.

SPECIFICATIONS

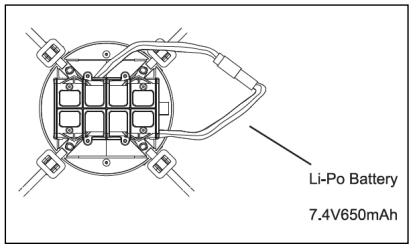
CHARGER
Input: 110-240V
Charging Current: 650MA
Full Voltage: 8.45 +/- 0.3V

LI-PO BATTERY
Battery Specification: 7.4V650mAh
Aircraft Flight Time: 10-12 minutes
Charge Time: Approx. 1.5 hours

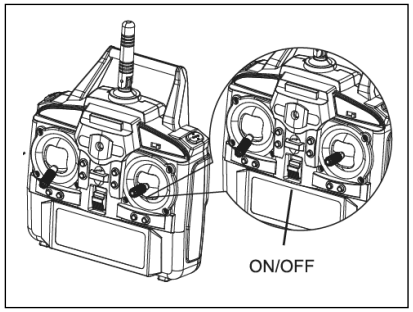
AA BATTERIES
Battery Specification: 1.5V (GP 15G R6P)
Transmitter Operation Time: 18 hours

PAIRING THE DRONE WITH THE TRANSMITTER

Step 1: Place the drone on a flat surface, with the tail end pointed at you. Connect the drone battery to the drone power wire. The LED on the drone will start flashing. (Be sure not to move the drone, as the built-in gyroscope needs a neutral starting point.)



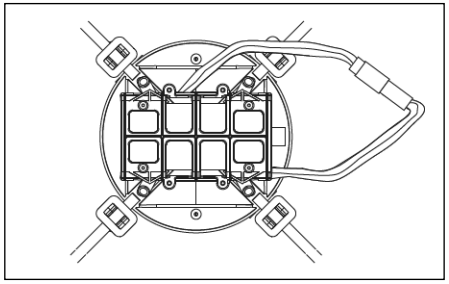
Step 2. Turn on the Transmitter.



Step 3. Bring the throttle (the left stick) all the way to the lowest position and release. The drone is now paired and ready to fly. (Repeat these steps every time you turn the drone on.)

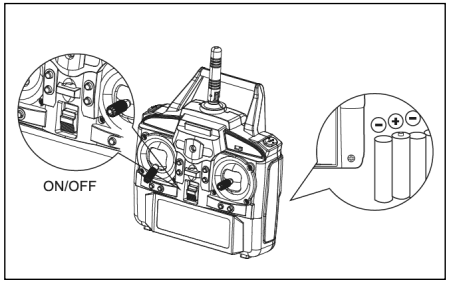
POWERING DOWN THE DRONE

Step 1: After the flight, disconnect the drone battery from the drone power wire.



WARNING: If the battery is not disconnected after use, it could cause the battery to discharge excessively, and possibly cause a fire.

Step 2: Turn off the Transmitter. If the transmitter is not going to be used for an extended period of time, please remove the batteries to prevent possible leakage.

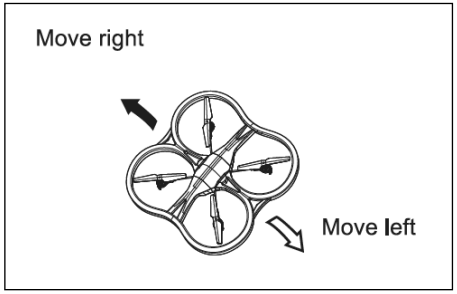


FLIGHT ADJUSTMENT AND SETTING

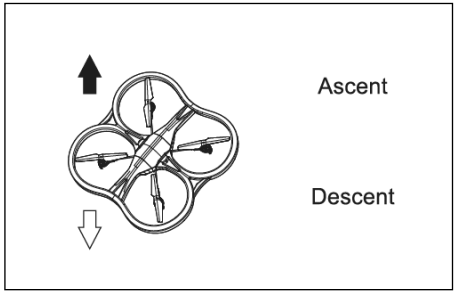
Before you can be proficient with this drone, we recommend you practice your piloting skills. Before long, you will be an accomplished flier, and the envy of your neighborhood.

1. Read all instructions carefully.
2. Be sure Transmitter has fresh batteries, and that the drone is charged.
3. Be sure all screws are firmly tightened.
4. Place the drone in a clear, open field, with the tail end pointed toward you.
5. Practice operating the throttle sticks for these motions (see illustrations below):

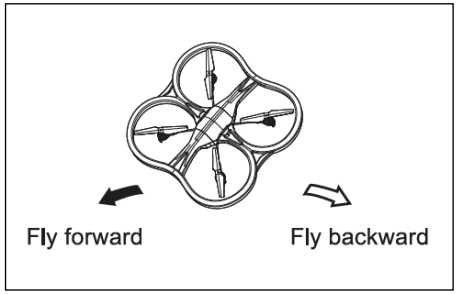
Right – Left (Aileron)



Ascent – Descent (Throttle)



Fly Forward – Fly Backward (Elevator)



Turn Left – Turn Right (Rudder)