

POWERING UP AND PAIRING



Insert fully charged LiPo battery into the underside of the drone, then connect the battery to back of the drone. [See next page.]



Place the drone on level surface for calibration.



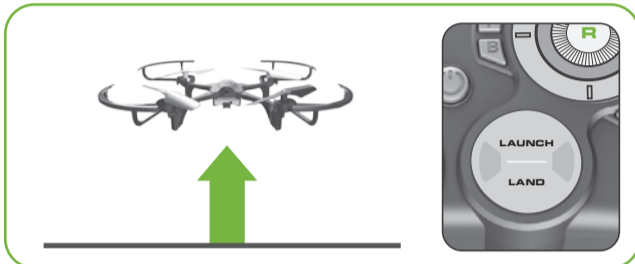
Turn on controller. [Before initial use, install new batteries into controller. See reverse.]



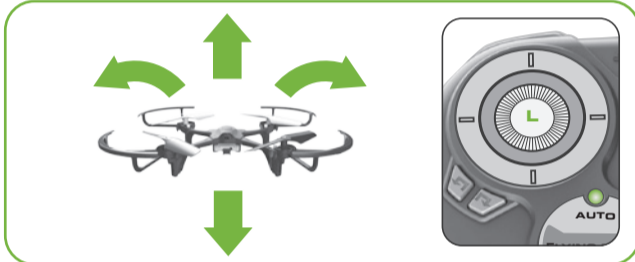
Once lights turn solid, drone is ready to fly.

BASIC FLIGHT MANEUVERS

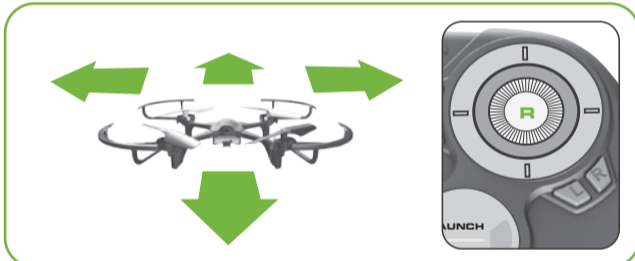
To make flying easier, place the drone on the ground in front of you with the drone facing away from you (green blades forward). You should be facing the same way the drone is facing.



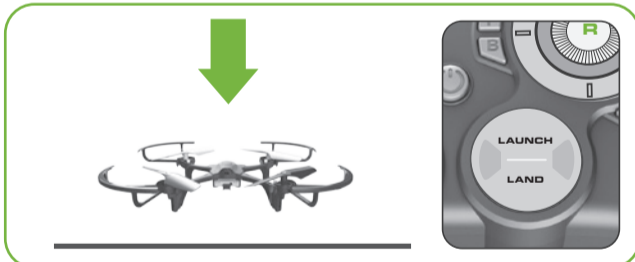
Press **LAUNCH** to automatically launch a few feet off the ground.



Move **LEFT (Throttle)** thumb stick up or down to make drone fly higher or lower and left or right to rotate.



Use **RIGHT (Directional)** thumb stick to fly forward, backward, left or right.



Press **LAND** to automatically land.

Alternatively you can use the left thumb stick to land the drone. Hold the left thumb stick all the way down for about 2.5 seconds after the drone has safely reached the ground, and the motors will stop spinning.

AUTO AND MANUAL FLIGHT MODES

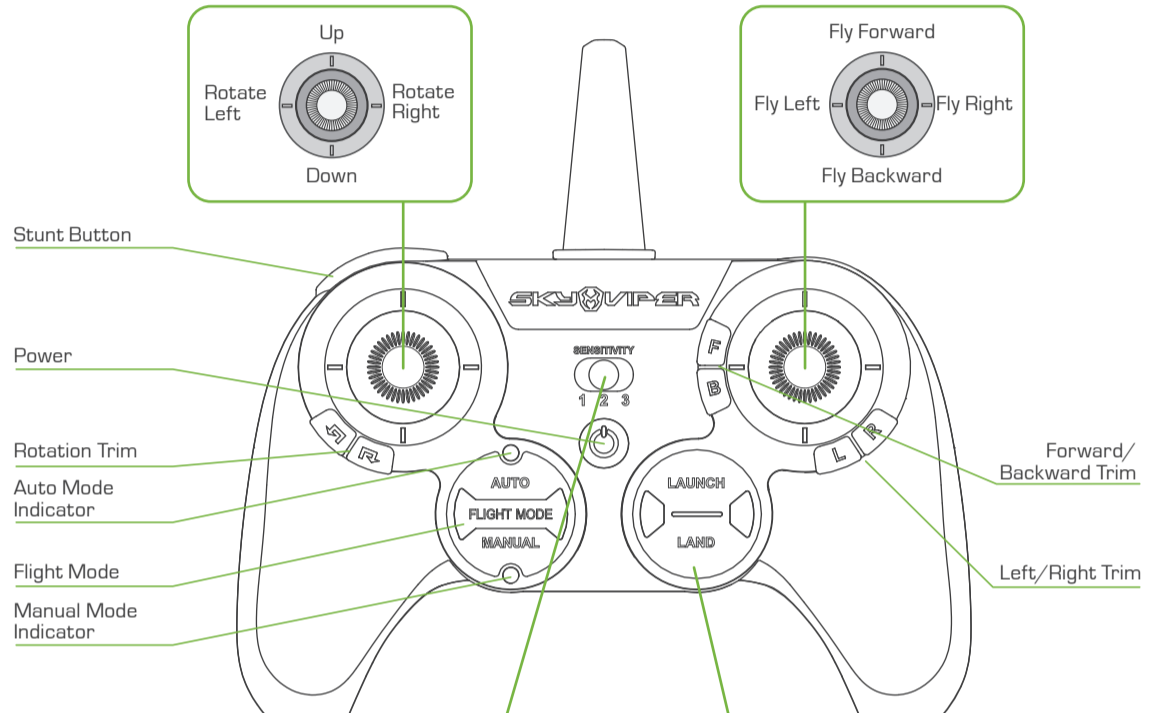
AUTO mode is best for new pilots. Begin by pressing the **LAUNCH** button for takeoff. The drone will hold its altitude, and gradually fly up or down when you press up or down on the left thumb stick.



MANUAL mode is better for experienced pilots. When the left thumb stick is pushed all the way up the drone will spin its motors as fast as it can while maintaining stability, and when the left thumb stick is pushed all the way down the motors will stop spinning completely.



FLIGHT CONTROLS



FLIGHT SENSITIVITY SWITCH

LOW MED HIGH
1 2 3 1 2 3 1 2 3

It is best to start with **LOW** sensitivity until you master flying.

LAUNCH/LAND BUTTON

PRESS TO LAUNCH **PRESS TO LAND**

• Reset controller to factory settings: Hold F Trim, B Trim, and Power for 3 seconds.



⚠ If for any reason you need to immediately stop the drone, hold down the stunt button (for drones that don't have a stunt button, use the video button) and move both thumb sticks down and away from the center of the controller.

ONE TOUCH STUNTS

NOTE:

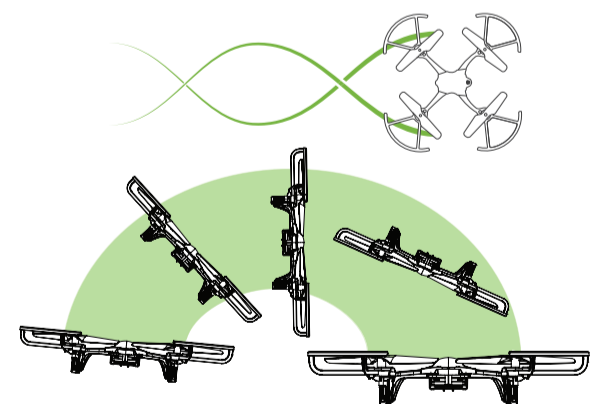
Once a stunt has been initiated, **DO NOT** adjust Throttle or press any other controls until the stunt has been completed.

BARREL ROLL LEFT OR RIGHT

While flying forward (or reverse), tap the **STUNT** button.

FLIP IN 4 DIRECTIONS

- 1 Bring the drone to a mid-air hover without flying in any direction. Remove finger from the **RIGHT** thumb stick.
- 2 While hovering, tap and hold the **STUNT** button.
- 3 Then quickly tap the **RIGHT** thumb stick in the direction you want the drone to flip.

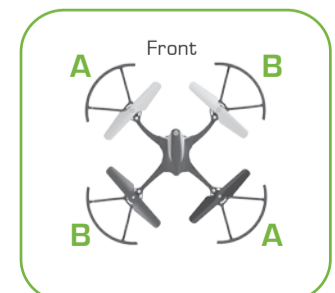
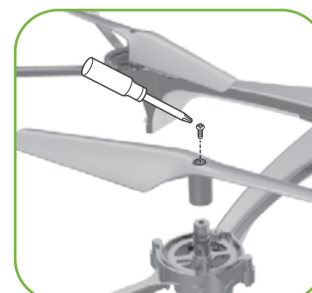


CAUTION!

The drone should be flying at least 6 feet in the air with a minimum clearance of 6 feet in all directions before attempting stunt functions.

REPLACING DAMAGED BLADES

Use the included screwdriver to unscrew the propeller, then pull up on propeller to detach. Match **A** propellers to **A** legs and **B** propellers to **B** legs. Replace screws and tighten. See image to right.



SKY VIPER FLIGHT SIMULATOR

Learn and practice maneuvers on your phone, then apply your new skills in real life.



FAILSAFE GUIDE



When the drone turns upside down, the motors will stop spinning.



When the drone goes out of range of the controller, it will automatically land itself in its current position. If the controller comes back in to range before the drone lands, it is possible to cancel this automatic landing by pressing up on the throttle.



When the drone's battery is at 10% or less, the LEDs on the drone will begin to blink rapidly, and a tone is played continuously on the controller until the controller and drone are turned off.



When the drone's battery is depleted, the drone will automatically land itself in its current position. This automatic landing cannot be interrupted with the controller.



If the drone detects that no input has been received by the controller for 15 seconds, the drone will automatically land itself in its current position..

CONTROLLER MODE

When the controller is OFF, press and hold the flight mode button, LAUNCH/LAND button, and POWER button for three seconds to toggle between mode 1 and mode 2.

Mode 2 (default, most commonly used)

LEFT thumb stick makes the drone go up/down, and rotate clockwise/counter-clockwise. RIGHT thumb stick makes the drone fly forward, backward, left, and right.

Mode 1 (used in Australia and most Asian & European countries)

LEFT thumb stick makes the drone fly forward/backward, and rotate clockwise/counter-clockwise. RIGHT thumb stick makes the drone go up/down, and fly left and right.

TRIM ADJUSTMENTS



IF THE DRONE DRIFTS FORWARD: Press "B" button several times until the drone stops drifting forward.

IF THE DRONE DRIFTS BACKWARD: Press "F" button several times until the drone stops drifting backward.



IF THE DRONE DRIFTS LEFT: Press "R" button several times until the drone stops drifting left.

IF THE DRONE DRIFTS RIGHT: Press "L" button several times until the drone stops drifting right.



IF THE DRONE SPINS COUNTER-CLOCKWISE (VIEWED FROM ABOVE): Press the button several times until the drone stops spinning.

IF THE DRONE SPINS CLOCKWISE (VIEWED FROM ABOVE): Press the button several times until the drone stops spinning.

TIPS:

#1: When the controller LED flashes 3 times quickly, the trim is at middle of trim range.

#2: If you are uncomfortable trimming the drone in flight, you can land onto a flat surface and make your trim adjustments.

#3: To reset trim adjustments, hold the and the buttons down for 2 seconds.

CONTROLLER MODE SET-UP

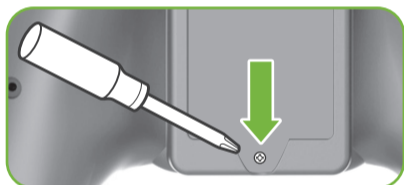
Double your flying time with an additional battery!

Details of how to purchase additional or replacement battery packs available at SKYVIPER.COM

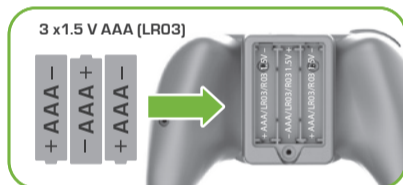


#01739

INSTALLING BATTERIES IN THE CONTROLLER



*Screwdriver not included.



*Batteries not included.

ADULT SUPERVISION REQUIRED

Before each use, an adult should check this product and the LiPo battery to ensure no damage or hazards exist. Drone has rotating blades that move at high speed, posing danger of damage and injury. Use of included blade guards strongly recommended. Pilots are responsible for any actions that result in damage or injury from the improper operation of drone. Adequate flying space is required. Avoid flying near interior fans and/or vents as they may make flying difficult to control. Keep a safe distance away from streets, public thoroughfares and power lines. Never attempt to retrieve drone from any location higher than your reach (such as rooftops or trees) or from any location that poses a safety hazard. Never fly drone at night. Keep drone in sight at all times during operation. Discontinue operation immediately if drone flies out of your field of view. Do not fly near spectators or animals. Keep spinning rotors away from fingers, hair, eyes and other body parts. Always launch from a flat surface. Never leave drone unattended while it is turned on. Read all enclosed information before operating.

THIS PRODUCT CONTAINS A LITHIUM-POLYMER BATTERY 3.7V 650mAh:

LiPo batteries have a severe risk of fire and injury if they are improperly handled or misused. They may explode, overheat or ignite. Read all following precautions and instructions regarding the care and use of LiPo batteries.

The LiPo battery is only to be used with the drone and charger included with this product.

- Keep away from flammable materials.
- Do not expose to direct sunlight.
- Do not place in fire or leave in hot places.
- Do not drop or make subject to strong impact.
- Keep dry and away from water.
- Remove exhausted battery as soon as possible and discard properly.
- Remove battery from the compartment if toy is not used for a long period of time.
- The supply terminals are not to be short circuited.
- Never throw battery in a fire or attempt to open outer casing.
- Do not leave battery connected to drone when not in use.

LiPo Battery Disposal: LiPo batteries must be recycled or disposed of properly. They should not be disposed of with other household waste. Check your local laws and regulations for correct recycling and/or battery disposal.

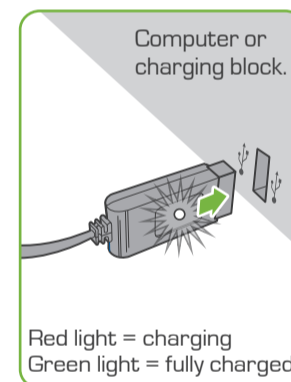
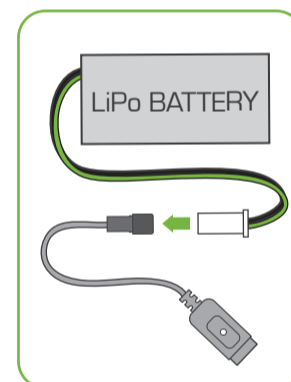
AAA BATTERY CAUTIONS

- Do not use rechargeable batteries.
- Different types of batteries or new and old batteries are not to be mixed.
- Batteries are to be inserted using correct polarity.
- Remove exhausted batteries as soon as possible and discard properly.
- Remove all batteries from compartment if toy is not used for a long period of time.
- Never throw batteries in a fire or attempt to open the outer casing.
- Non-rechargeable batteries are not to be recharged.
- The supply terminals are not to be short circuited.
- Batteries should be replaced by an adult.

WARNING: Batteries are harmful if swallowed. Please keep away from children.

Battery Disposal: Dispose of batteries according to the local laws and regulations of your region. Some batteries may be recycled, and may be accepted for disposal at your local recycling center. If you are not able to identify the applicable rules in your area, please check the instructions of the battery manufacturer.

CHARGING THE LiPo BATTERY



Computer or charging block.

Red light = charging
Green light = fully charged

CHARGING PRECAUTIONS:

- After use, allow drone (battery on bottom) to cool down to room temperature before charging again.
- Charge battery in an isolated area, away from excessive heat or moisture.
- If you suspect that the battery is damaged or swelling, discard the battery in accordance with your country's recycling laws.
- Do not modify, heat, or wet the battery in any way. Only recharge with provided charger

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.

CAUTION: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: Reorient or relocate the receiving antenna - Increase the separation between the equipment and receiver - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected - Consult the dealer or an experienced radio/TV technician for help.

Remove all packaging attachments before giving the toy to a child.

Not suitable for children under 3 years due to small parts that could be swallowed.

Conforms to product safety standards ASTM F963.

Keep instructions for future reference. Do not discard.



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The software included in this product contains copyrighted software that is licensed under the GPLv3. A copy of that license is included in our website at the URL below. You may obtain the complete Corresponding Source code from us for a period of three years after our last shipment of this product and/or spare parts therefor, which will be no earlier than 05-01-2020, on our website at <http://www.skyviper.com/GPL/>

WE'RE HERE TO HELP

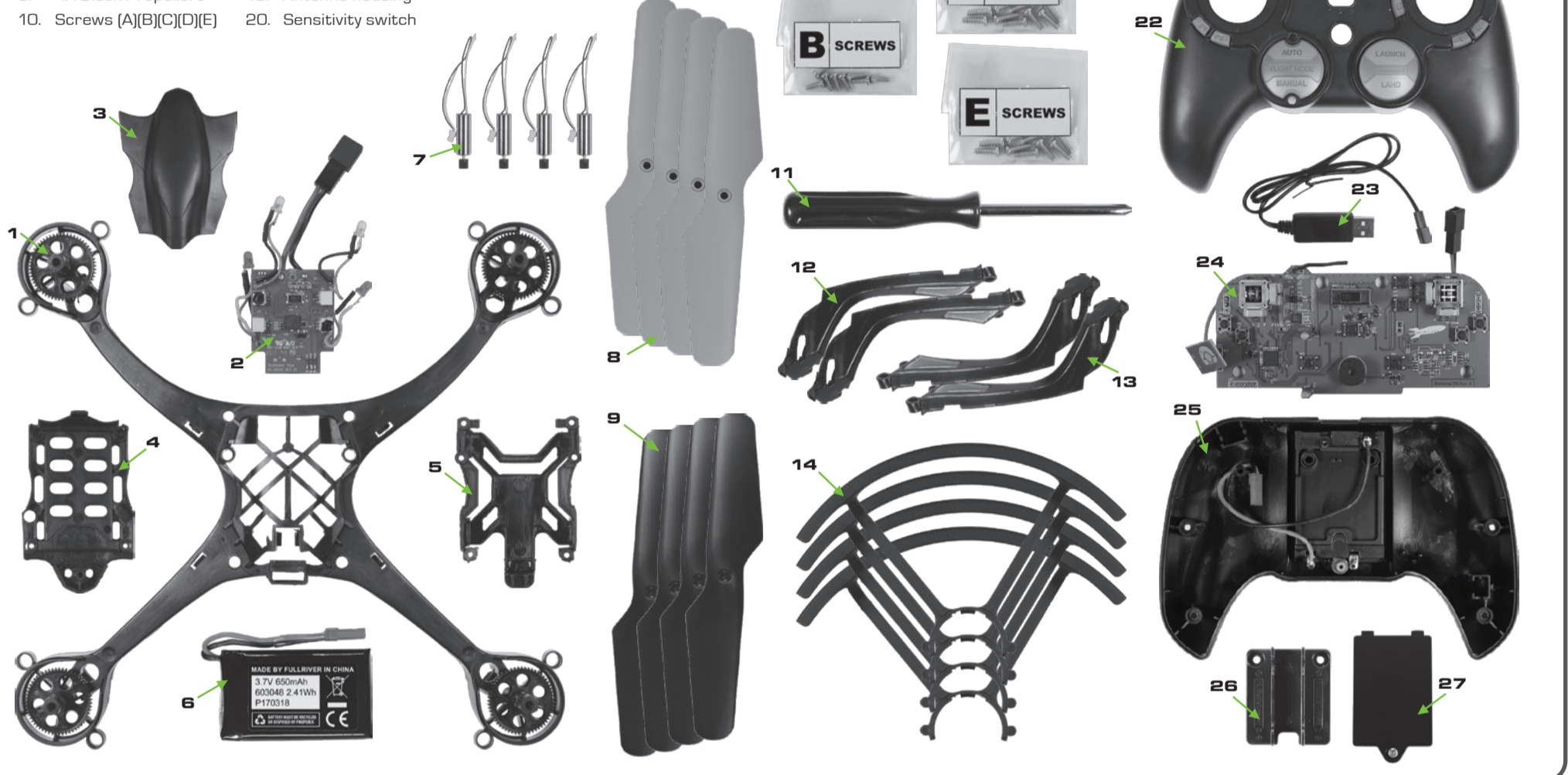
For questions about this product:

Online: skyviper.com/support

Phone: 1-888-674-5650
M-F 9am to 6pm PST

CONTENTS

- | | | |
|----------------------------|-------------------------------|--------------------------------|
| 1. Main body frame | 11. Screwdriver | 21. Power Button |
| 2. Flight controller board | 12. 2X Green arm covers | 22. Controller housing (Front) |
| 3. Top cover | 13. 2X Red arm covers | 23. USB lipo battery charger |
| 4. Bottom cover | 14. 4X Blade guards | 24. Transmitter circuit board |
| 5. Battery tray | 15. 2X Pro style thumb sticks | 25. Controller housing (Rear) |
| 6. 650mAh LiPo Battery | 16. 2X Joystick thumb pads | 26. Battery compartment insert |
| 7. 4X Motors | 17. Stunt button | 27. Battery cover |
| 8. 4X Green Propellers | 18. 2X Joystick covers | |
| 9. 4X Black Propellers | 19. Antenna housing | 1 Sticker sheet included |
| 10. Screws (A)(B)(C)(D)(E) | 20. Sensitivity switch | |



APP INSTRUCTIONS

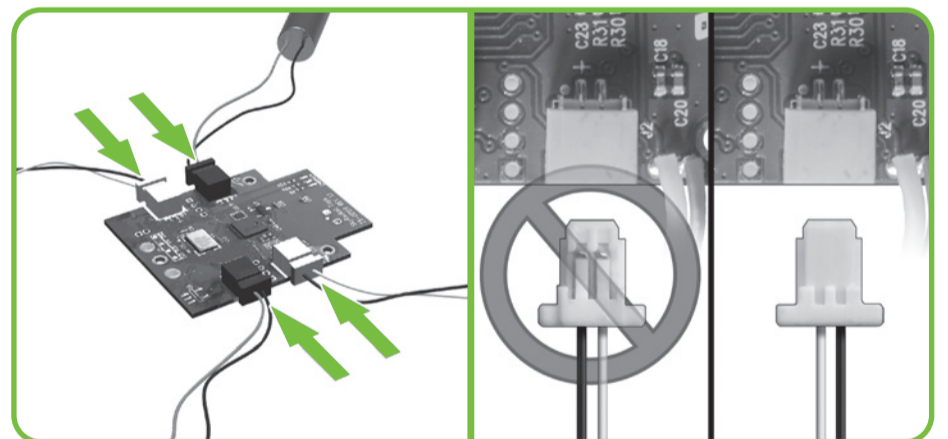


DOWNLOAD THE SKY VIPER BUILDER APP FOR FREE

- Animated step-by-step instructions
- Learn how drones work

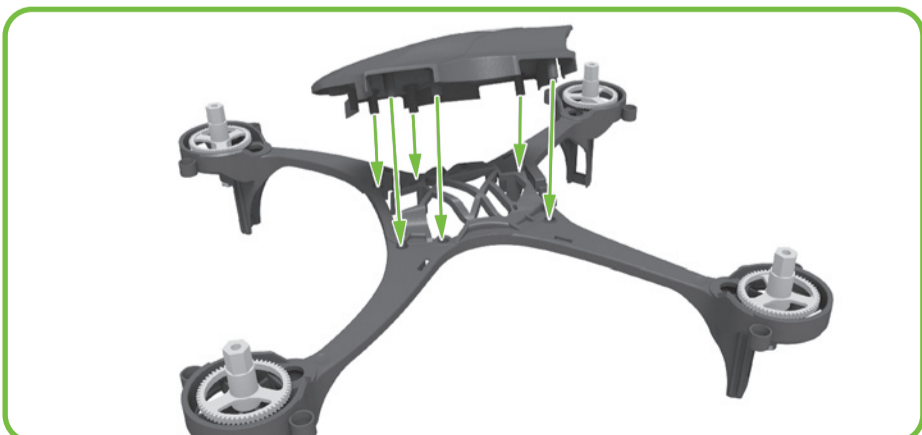


STEP ONE



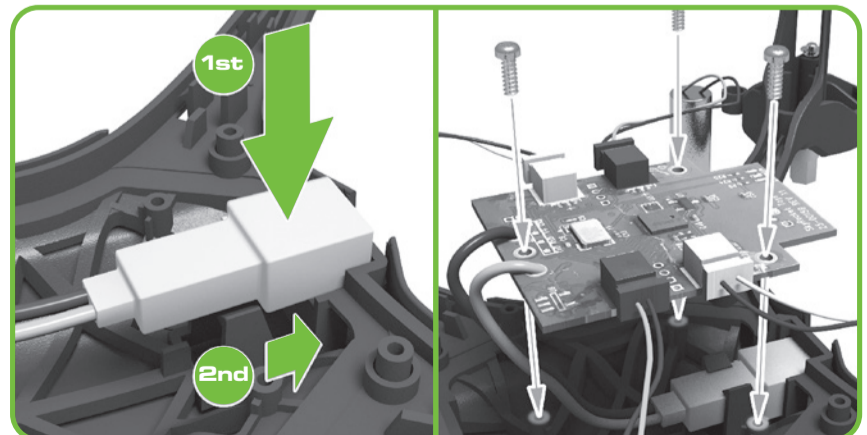
Insert the motor connectors into the flight controller board. Connect the black plugs to the black connectors and connect the white plugs to the white connectors.

STEP TWO



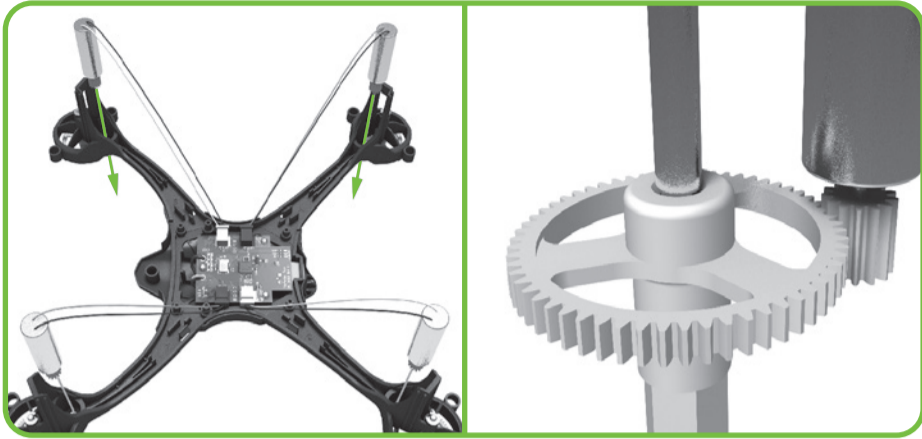
Attach the top cover to the main body frame, ensuring that all locating pins line up with their sockets. Gently squeeze the two parts together and then give a tighter squeeze once in place.

STEP THREE



Connect the power socket [this is part of the flight controller board] to the main body frame and clip it into place. Attach the flight controller board to the main frame using 3 type E screws. Ensure that the screws are secure but not over tightened.

STEP FOUR



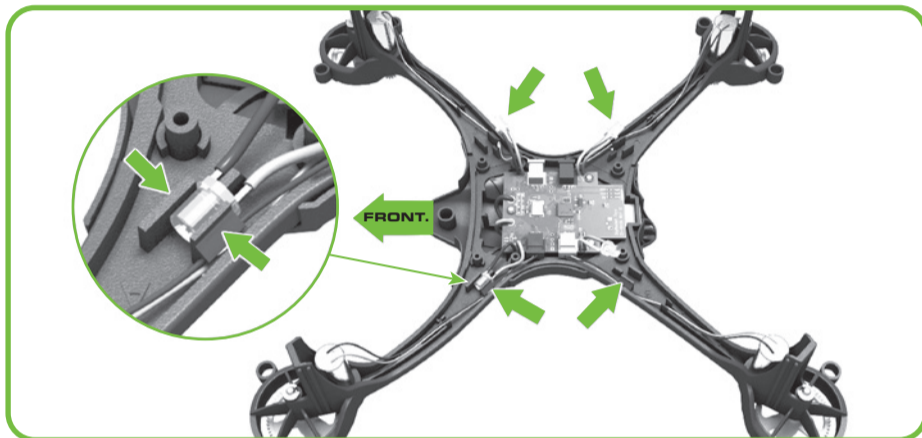
Slide each of the motors into the motor casing until the gears mesh properly with the large gears. Take your time to check each motor before moving onto the next.

STEP FIVE



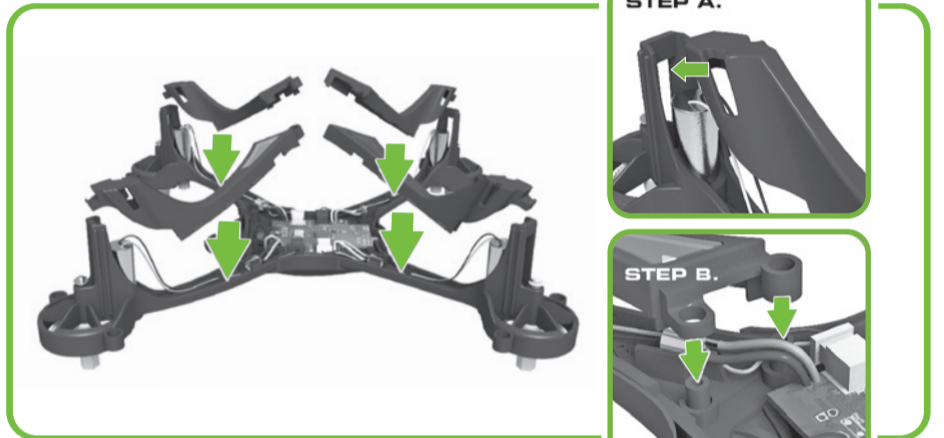
Neatly tuck the motor wires into the guides in the center of each arm of the drone. Then guide the wires around the post and carefully tuck away any remaining wire without crimping it.

STEP SIX



Press the 4 LED's into the drone arms and ensure that the green LED's are attached to the curved front arms and red LED's are connected to the rear straight arms. Try not to move the wires connecting the LEDs too much, as the soldered connections to the flight board are very delicate.

STEP SEVEN



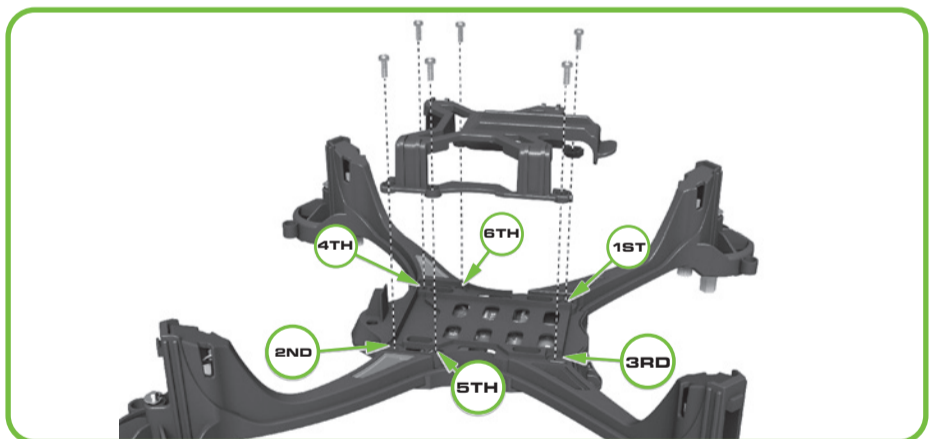
Attach the four arm covers to the main body ensuring no wires protrude from the sides. You must connect the hook of the arm covers to the motor housing before easing into place. The front arm covers are curved and contain the green LED windows. The red LED covers go in the rear.

STEP EIGHT



Attach the bottom cover to the main body and ensure none of the wires are protruding.

STEP NINE



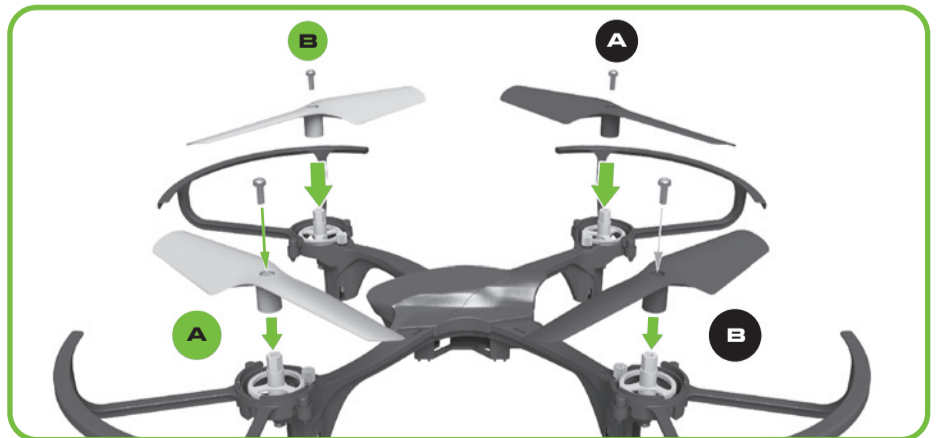
Place the battery tray over the flight controller board cover and secure it with 6 type A screws. When tightening the screw, ensure that they are firm but not overly tight, as over tightened screws will cause the plastic to strip and the screw will become loose.

STEP TEN



Attach the four blade guards by pushing the two locator pins into the two holes around the gear housing. Make sure the pins are fully in and the guard ridges are flush with the gear housing.

STEP ELEVEN



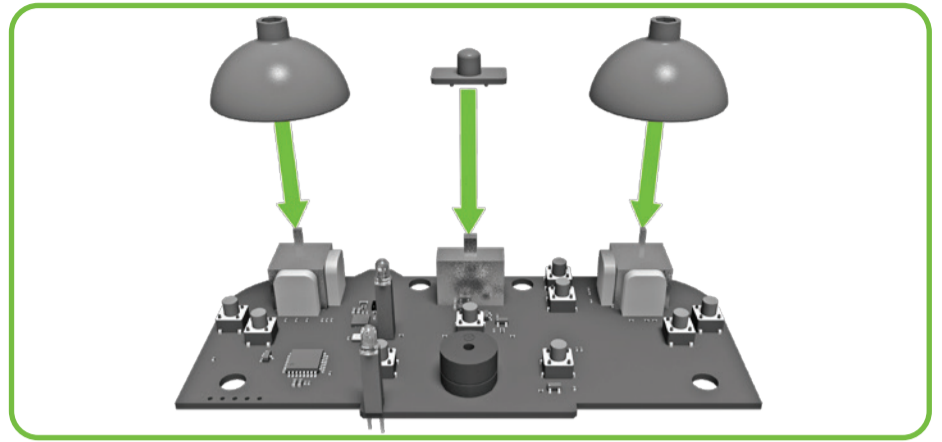
Press on each propeller and secure each with type B screws. Ensure that the green propeller blades are attached to the front of the drone and the black propeller blades at the back. Take note of the order of the propellers (B,A,A,B). The drone will not fly if the propellers are in the wrong place.

STEP ONE



Place the front housing of the controller face down on a table. Now start placing the buttons into their relevant sockets ensuring each is seated around their appropriate guide pins.

STEP TWO



Press the left and right joysticks covers down onto the joysticks. Press the sensitivity switch down on to the sensitivity slider.

STEP THREE



Insert the antenna housing into the front controller housing. Place the transmitter circuit board into the front housing ensuring that the guide ports fit through the holes on the board. Finally attach the transmitter circuit board to the front housing using 2 type C screws.

STEP FOUR



Insert the stunt button circuit board into the front controller housing and push into place until seated. Insert the power plug into the connector socket on the back-controller housing.

STEP FIVE



Place the battery compartment into the battery box and secure with 2 type D screws. Secure the back of the controller housing to the front controller housing using 4 type D screws.

STEP SIX



Insert the AAA batteries into the battery compartment. Insert the battery cover onto the controller housing and secure with the screw.

STEP SEVEN



Connect the two joystick thumb pads or pro style thumb sticks.