

SKYVIPER
V2900PRO

PRO SERIES

QUICK START GUIDE

For video instructions go to: www.skyviper.com

INSTALL THE SKY VIPER VIEWER APP

Download and install free **Sky Viper Viewer** app onto your smart phone.



Download on the
App Store

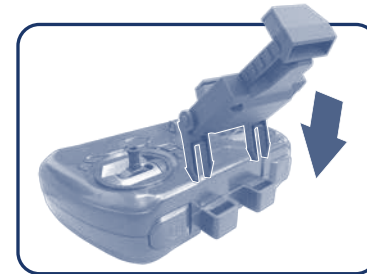
GET IT ON
Google Play



ATTACH YOUR PHONE TO THE REMOTE

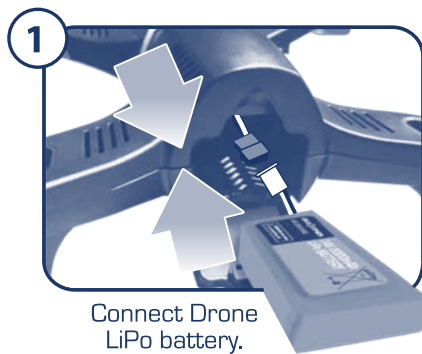
If not already assembled, attach phone mount to remote.

Push upper lip of phone mount upward and insert your phone into mount as shown.



POWERING UP AND PAIRING DRONE TO REMOTE

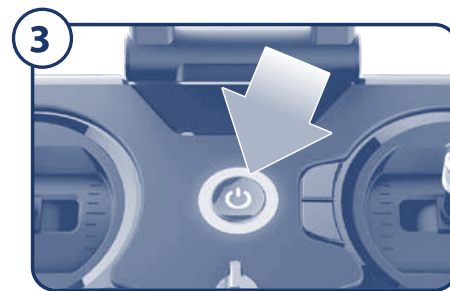
Charge LiPo battery and insert into Pro Series Drone. Install 4 fresh AA (LR6) 1.5v batteries into remote.



Connect Drone
LiPo battery.



Quickly place Drone on
FLAT LEVEL SURFACE.



Press the power button to
turn controller ON.



Wait for flashing green light
to turn solid.

CONNECTING DRONE TO SMART PHONE

1. Connect your drone to your smart device. Go to the Wi-Fi settings on your device and select SKYVIPER_XXXXXX to connect. (Name of Sky Viper network may vary). Connection may take up to 30 seconds.
2. **Enter the Wi-Fi password: viper**
3. Open the **Sky Viper Video Viewer** app on your device.

BASIC FLIGHT MANEUVERS (IN AUTO FLIGHT ASSIST MODE)

This drone is designed to automatically maintain a hover a few feet above the ground, so basic flight is easy and intuitive.

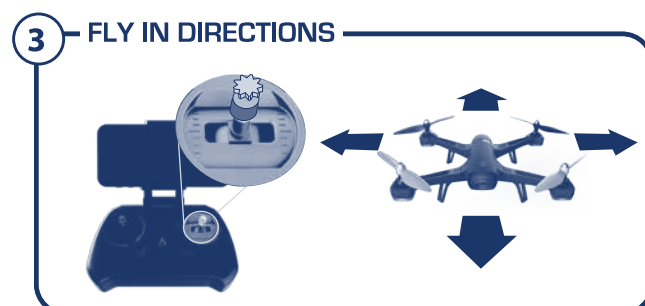
Tap Auto Launch/Land button to launch a few feet off the ground. (Do not hold.)



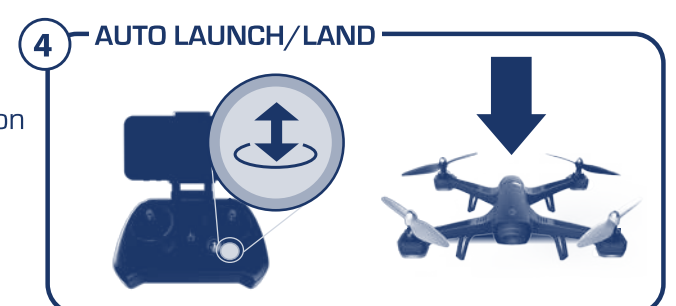
Tap the left Throttle Thumbstick up and down to fly higher or lower.



Move the Directional Thumbstick in the direction you want to fly.



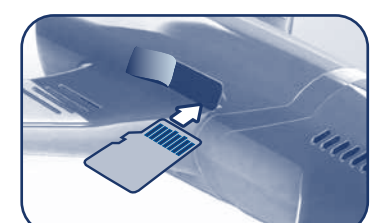
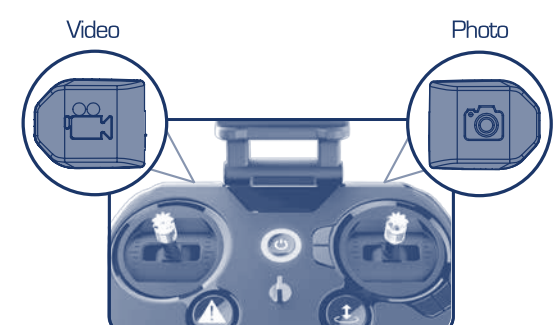
Tap the Auto Launch/Land button to stop flight and land. (Do not hold.)



STREAMING AND RECORDING VIDEO

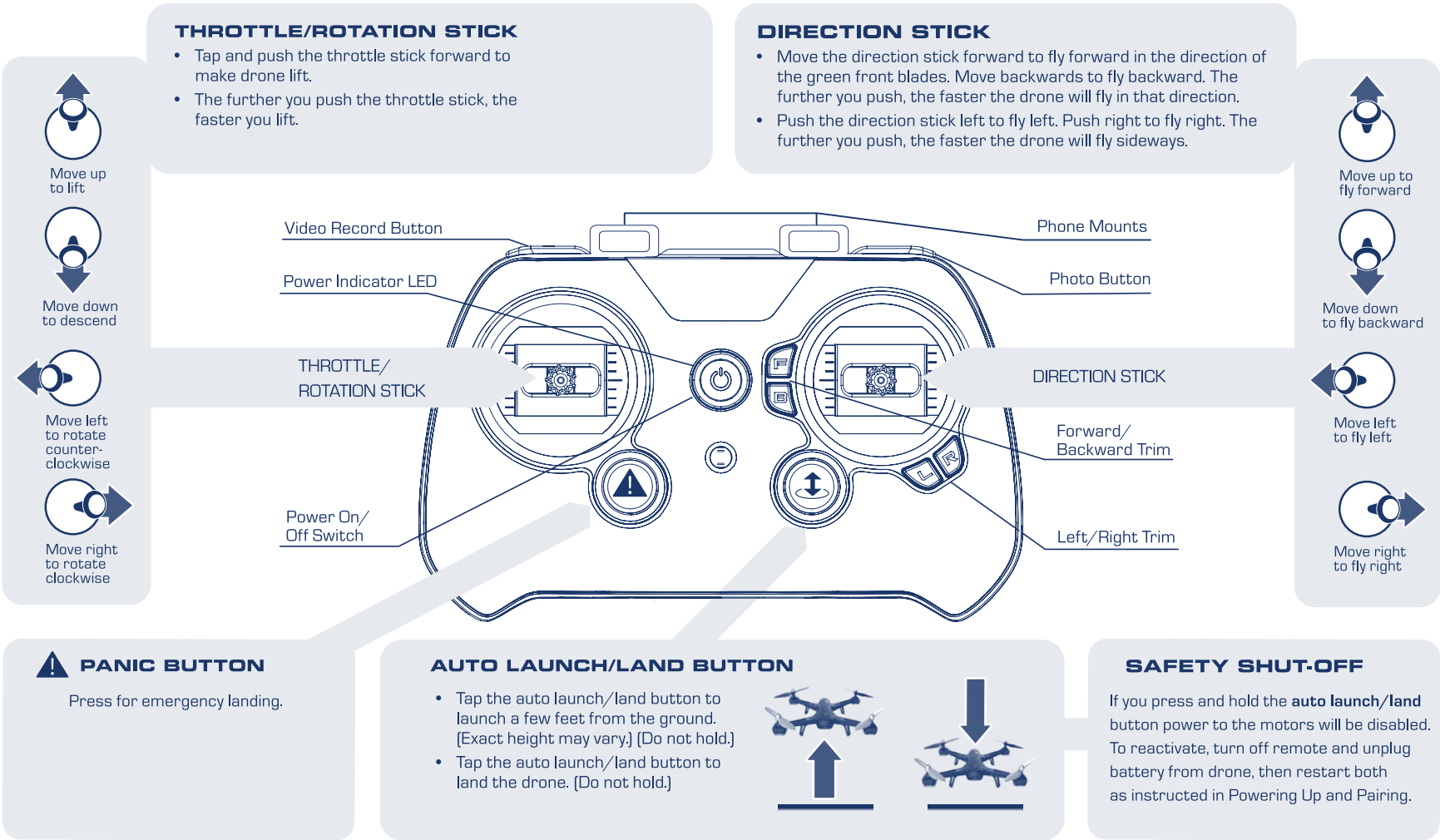
- Stream live video from your drone's point of view as you fly. Simply follow the in-app instructions for streaming video.
- Record video or take pictures during your flight using the on-screen recording buttons or the Photo or Video buttons located on your flight controller. See app for details.
- Higher quality video and pictures can be recorded directly to the micro SD memory card located inside the drone. Once video has been recorded and you have completed your flight, the large video files can be downloaded to your smart device through the drone's Wi-Fi connection. Videos can also be downloaded directly by removing the Micro SD card from the drone and inserting into a personal computer. See app for details regarding recording and Micro SD card.

(This product includes an 8GB Micro SD card for video storage. It can be removed and upgraded to 32GB (sold separately)).



Micro SD slot is located on the side of drone. Lift cover and insert card.

FLIGHT CONTROLS



MANUAL FLIGHT MODE

The V2900 Pro drone is designed to automatically maintain a hover. Controls can be switched to manual flight mode for experienced pilots who want manual throttle control. Control will always default back to Auto-Hover mode when remote is switched off.

- TOGGLE INTO MANUAL FLIGHT BEFORE TAKE-OFF**
- Hold **video** button and press **auto launch/land** button and a tone will sound from the remote. Make sure your **throttle stick** is in the down position.
 - Push the **throttle stick** up to begin manual flight.

- TOGGLE INTO MANUAL FLIGHT WHILE IN AUTO-HOVER**
- Hold **photo** and press **auto launch/land** button and a tone will sound from the remote. Make sure your **throttle stick** is in the down position.
 - After the tone is heard, move the **throttle stick** up until the drone starts to rise (If throttle is not matched in 5 seconds then manual flight will be cancelled.).

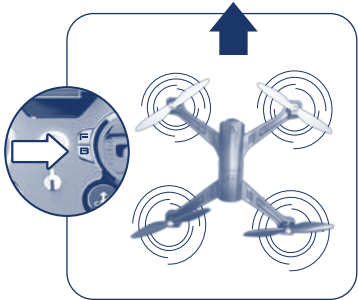
- TOGGLE INTO AUTO HOVER WHILE IN MANUAL FLIGHT**
- Press **auto launch/land** button to toggle back into auto hover; (your drone will hover at the current throttle speed.).

FLYING TIPS

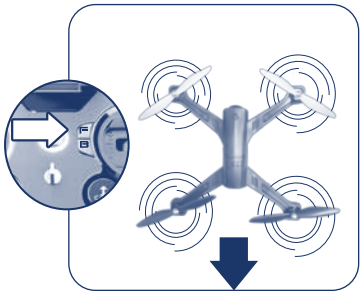
- To launch manually, press the throttle stick up slowly until the drone gains altitude.
- Pulling the throttle backwards will reduce power and the drone will land.
- When launching the drone, face the same direction as the drone faces. Green blades face forward.
- If your drone drifts in any direction when you are hovering, you will need to make Trim adjustments to correct the drifting. Trim adjustments are sometimes needed when the drone is first flown after purchase. See TRIM ADJUSTMENTS below for details.
- Practice launching, hovering and landing before attempting to learn other moves.
- Flying 2 to 3 feet above the ground will reduce ground turbulence and make flying easier.
- When first attempting to fly in different directions, start by tapping the direction stick until you have a feel for it. Always move controls slowly until you become comfortable operating the drone.
- Once you've mastered flying in directions, practice rotational controls. Spin and keep drone facing the same direction as flying becomes easier and more intuitive.
- If propeller blades come in contact with another object or you crash, throttle down or auto land immediately to prevent possible or further damage.
- If anything prevents drone's blades from spinning or they become jammed, throttle down or auto land immediately. Do not attempt to fly until obstruction has been removed and damage fixed.
- Should something prevent drone's blades from spinning, drone may auto shutdown. LiPo battery will need to be unplugged then reconnected to restore flying power.
- If the drone flies too far away, beyond the control range of the remote, the drone will auto-land to prevent the drone from flying away out of control.

TRIM ADJUSTMENTS

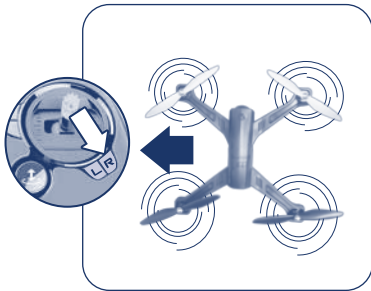
Make adjustments to keep drone from drifting.



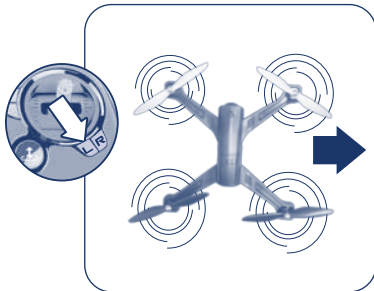
If the drone drifts forward
– Press **B** button



If the drone drifts backwards
– Press **F** button



If the drone drifts left
– Press **R** button



If the drone drifts right
– Press **L** button

NOTE: The remote will beep/flash 2 times when trim adjustment is set to the neutral position (the middle of the trim range) and beep once when it has reached the end of it's range.



WARNING: Spinning blades can cause injury. Adequate flying space is required. Keep a safe distance away from streets, public thoroughfares, bodies of water and powerlines. Be mindful of spectators. Read all enclosed information before operating. THIS DRONE IS NOT INTENDED FOR USERS UNDER 14 YEARS OF AGE. ADULT SUPERVISION IS REQUIRED.

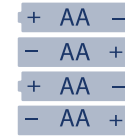
CONTENTS

- Drone
- Controller/Transmitter
- 2000 mAh 7.4V LiPo Battery
- Wall Charger
- 4 Blade Guards
- Phone Holder
- 4 Replacement Blades
- Blade Removal Tool
- Operator Manual
- 8GB Micro SD card

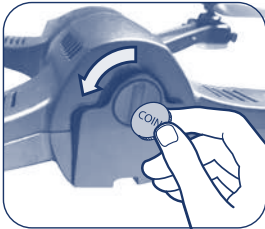
REMOTE BATTERIES NOT INCLUDED

Loosen the screw in the Remote Control battery compartment door with a Phillips screwdriver and insert batteries as shown. Replace door and tighten screw.

4 x 1.5V AA(LR6)



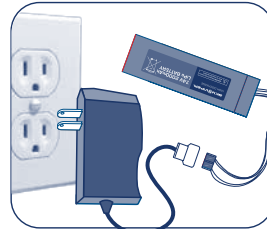
CHARGING THE DRONE



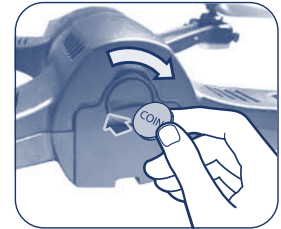
Turn coin counter clockwise to open.



Open door and remove battery.



Connect charger to wall outlet and battery. Charge until light turns green.



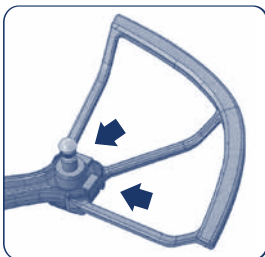
Replace the battery, close the compartment door, and turn clockwise with a coin to lock.

CHARGING PRECAUTIONS:

- After use, to battery cool down to room temperature before charging again.
- Charge drone in an isolated area, away from excessive heat or moisture.
- If you suspect that the battery is damaged or swelling, turn off the drone immediately.
- Do not modify, heat, or wet the battery in any way.
- Only recharge with provided charger.

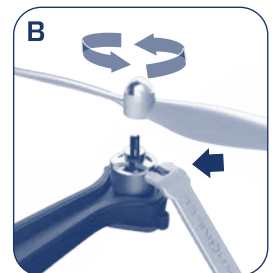
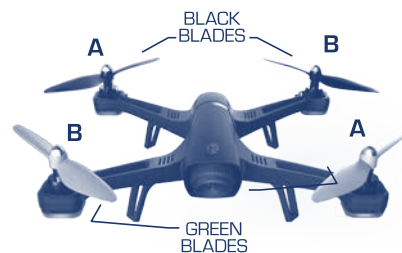
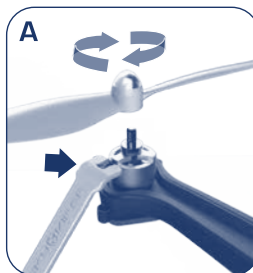
REMOVABLE BLADE GUARDS

Blade guards are required for pilots under 14 years of age and recommended for inexperienced users of all ages. To attach blade guards, insert the guards to the end of each arm, under the blade.



REPAIRING DAMAGED BLADES

- 1 Unplug battery on drone.
- 2 Make note of the blade color and letter (A or B) before removing the blade from drone. (Markings are located on the underside of blades and Drone).
- 3 Fit the blade tool notch onto a spoke of the motor casing while unscrewing blade clockwise (A) or counter-clockwise (B) with your other hand.
- 4 Replace the damaged blade in the same manner with a new blade with matching color and letter.
- 5 Check to see that new blade is fully secured.



DOWNLOAD THE SKY VIPER FLIGHT SIMULATOR APP ON YOUR DEVICE

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

- Download the **Sky Viper Flight Simulator** app for free!
- Auto & Manual Flight Modes
- Practice & Challenge Simulations
- 1st and 3rd Person Views
- Choose from the entire Sky Viper fleet



WARNING: Spinning blades can cause injury. Adequate flying space is required. Keep a safe distance away from streets, public thoroughfares, bodies of water and powerlines. Be mindful of spectators. Read all enclosed information before operating. THIS DRONE IS NOT INTENDED FOR USERS UNDER 14 YEARS OF AGE. ADULT SUPERVISION IS REQUIRED.

ADULT SUPERVISION REQUIRED

- Before each use, an adult should check this product and the LiPo battery to ensure no damage or hazards exist.
- Make sure the drone is assembled as instructed.
- Adult supervision is recommended for drone assembly.
- Drone has rotating blades that move at high speed, posing danger of damage and injury.
- 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.
- Keep instructions for use for later reference.
- Hands, hair, and loose clothes must be kept away from the propeller.
- Do not touch the rotating rotor.
- Do not change or modify anything on the helicopter.
- Only operate under good visibility and calm weather conditions.
- For use only outdoors—there is a risk of eye injury with indoor use.
- Flying is strictly forbidden near high voltage poles, railway tracks, airports, roads, swimming pools, open water or large crowds of people.

THIS PRODUCT CONTAINS A LITHIUM-POLYMER BATTERY 7.4V 2000mAh:

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 enclosed 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 fires or leave in hot places.
- Do not drop or make subject to strong impact.
- Keep dry and away from water.
- Remove exhausted batteries as soon as possible and discard properly.
- Remove all batteries from the compartment if toy is not used for a long period.
- The supply terminals are not to be short circuited.
- Never throw batteries in a fire or attempt to open outer casing.

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.

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.

ALKALINE BATTERY CAUTIONS

- Do not use rechargeable batteries.
- Rechargeable batteries are to be removed from the toy before being charged.
- Non-rechargeable batteries are not to be recharged.
- Rechargeable batteries are only to be charged under adult supervision.
- Different types of batteries or new and old batteries are not to be mixed.
- Only batteries of the same or equivalent type as recommended are to be used.
- Batteries are to be inserted using correct polarity.
- Exhausted batteries are to be removed from the toy.
- Remove exhausted batteries as soon as possible and discard properly.
- Remove all batteries from compartment if toy is not used for a long period.
- The supply terminals are not to be short-circuited.
- Never throw batteries in a fire; battery may leak or explode.
- Never attempt to open the battery's outer casing.
- Battery should be replaced by an adult.

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.

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 05-01-2019, on our website at <http://www.skyrockettoys.com/GPL/>

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

For Quadcopter: This equipment should be installed and operated with minimum distance 20cm between the radiator & your body. Keep instructions for future reference. Do not discard.

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Google Play is a trademark of Google Inc.

FAA REGISTRATION:

Anyone who owns a small unmanned aircraft that weighs more than 0.55 lbs. (250g) and less than 55 lbs. (25kg) must register with the Federal Aviation Administration's UAS (Unmanned Aircraft System) registry before they fly outdoors. People who do not register could face civil and criminal penalties. The owner must be 13 years of age or older and a U.S. citizen or legal permanent resident. (If the owner is less than 13 years of age, a person 13 years of age or older must register the small unmanned aircraft.) For details, please visit <https://registermyuas.faa.gov/>

IC RSS warning

This device complies with Industry Canada licence-exempt RSS standard (s).

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that, the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

IC Radiation Exposure Statement:

This equipment complies with IC RF radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

For Quadcopter: This equipment should be installed and operated with minimum distance 20cm between the radiator& your body.

ICES003 :

This CAN ICES3 (B)/NMB3(B) digital apparatus complies with Canadian ICES003.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes:

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.

IC exposition aux radiations:

Cet équipement est conforme avec IC les limites d'exposition aux rayonnements définies pour un contrôlé environnement.

Cet émetteur ne doit pas être co-localisés ou fonctionner en conjonction avec une autre antenne ou émetteur.

Pour Quadcopter: Cet équipement doit être installé et utilisé à distance minimum de 20cm entre le radiateur ou votre corps.

Cela peut CIEM 3 (B) / NMB 3 (B) Cet appareil numérique est conforme à la norme NMB 003.