

STREAMING DRONE WITH AUTO PILOT

INSTALL THE SKY VIPER VIEWER APP

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



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 drone. Install 3 fresh 1.5V AA (LR6) batteries into remote.



1 Connect Drone LiPo battery.



2 Quickly place Drone on **FLAT LEVEL SURFACE**, with an unobstructed view to the sky



3 Press the power button to turn controller ON.



4 Wait for flashing green light to turn solid.

CONNECTING DRONE TO SMART PHONE

1. Go to the Wi-Fi settings on your device and select SKYVIPERGPS_XXXXXX to connect. [Name of Sky Viper network may vary]. Connection may take up to 30 seconds.
2. **Enter the Wi-Fi password: vipergps**
3. Open the **Sky Viper Video Viewer** App on your device

ACQUIRING GPS LOCK

⚠ WARNING: GPS MODE SHOULD ONLY BE USED OUTDOORS



1 The frame will start to acquire GPS satellites. During this time, the GPS LOCK LED will blink.



2 When enough satellites are locked on, the GPS LOCK will illuminate a solid GREEN. The frame is now ready to fly in GPS mode.



3 Raise the throttle stick to arm the frame. The motors will spin, indicating the frame is armed. Increase throttle to lift off of the ground.



4 When flying in GPS mode, press the RETURN button to RETURN HOME. The frame will fly back to the home location and land. **RETURN HOME will ONLY work if GPS LOCK is active.**

If GPS mode is taking too long to lock, you can still launch the frame while the system continues to lock. Simply raise the throttle stick while the device continues to lock on to the GPS signal. Indoor LED will blink while you are flying without GPS lock, and will turn off once GPS lock is established. **CAUTION: In this case, your HOME LOCATION will start where the GPS LOCK is obtained. This may not be near your launch location.**

Press RETURN a second time to **CANCEL** the RETURN HOME action.

INDOOR MODE

If an open sky is not possible, the frame can be flown in INDOOR mode. To activate this mode, a tap of the MODE button will enable INDOOR MODE. The INDOOR LED will illuminate solid red to indicate this mode is active.



1 Raise the throttle stick to arm the frame. The motors will spin, indicating the frame is armed. Increase throttle to lift off of the ground.



2 When flying in INDOOR mode, the RETURN button will cause the drone to LAND at its current location.

Press RETURN a second time to **CANCEL** the LAND action.

RETURN TO HOME / LAND

- HOME LOCATION starts where GPS lock is first obtained, or can be updated from the app to your current location.
- While the drone is RETURNING TO HOME, you will still have altitude and directional control to avoid obstacles.
- While the drone is LANDING, you will still have directional control to control your exact landing location.
- Press RETURN a second time to cancel the RETURN TO HOME or LAND action.

BASIC FLIGHT MANEUVERS (IN GPS OR INDOOR MODE)

This drone is designed to automatically maintain a hover so basic flight is easy and intuitive.

When GPS LOCK is solid, or in INDOOR mode, move the left Throttle Thumbstick up to arm the frame, and then launch the drone.



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



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

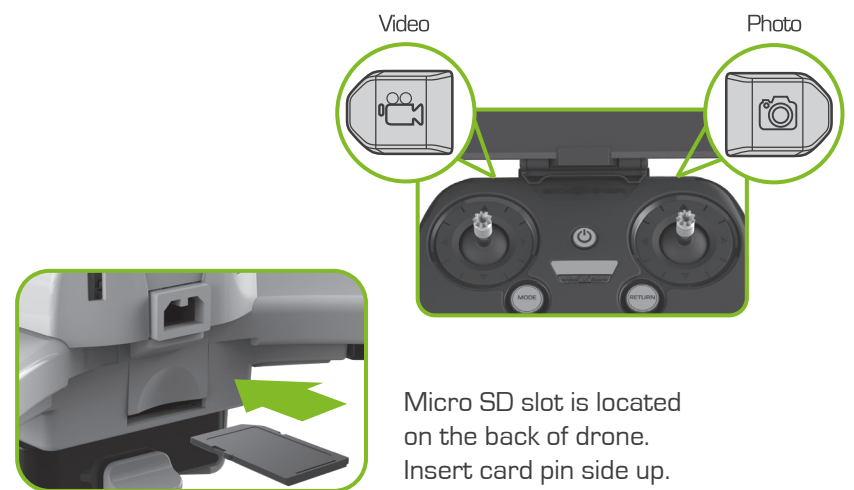


Press RETURN button to return home in GPS Mode or land in INDOOR Mode. You can also land the drone manually by holding the left thumbstick down.



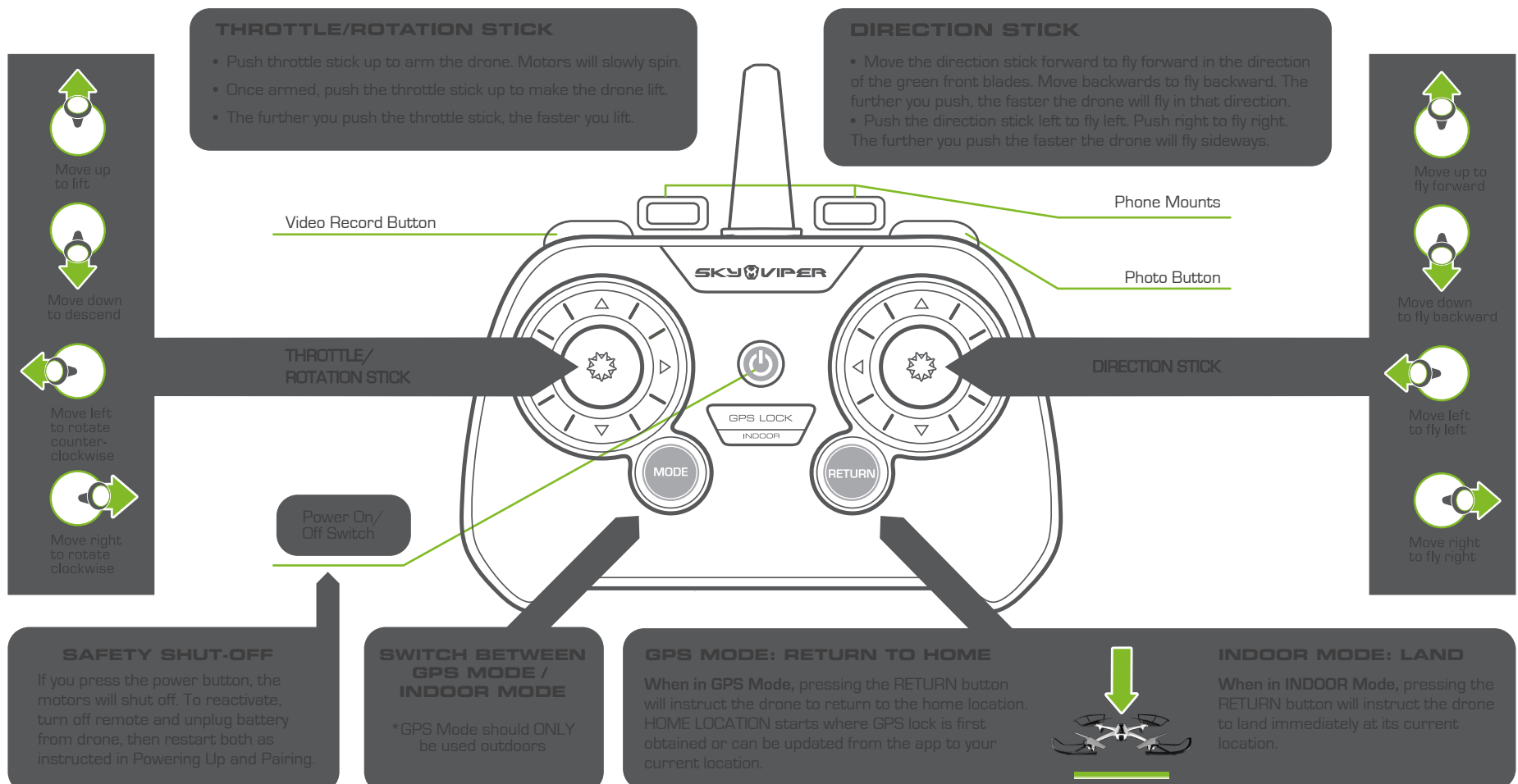
STREAMING AND RECORDING VIDEO

- 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 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.



Micro SD slot is located on the back of drone. Insert card pin side up.

FLIGHT CONTROLS



FLYING TIPS

- Pulling the throttle backwards will reduce power and the drone will descend.
- When launching the drone, face the same direction as the drone faces. Green blades face forward.
- 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 land immediately to prevent possible or further damage.
- If anything prevents drone's blades from spinning or they become jammed, throttle down or 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 return to home or land to prevent the drone from flying away out of control.

STREAMING DRONE WITH AUTO PILOT

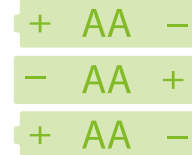
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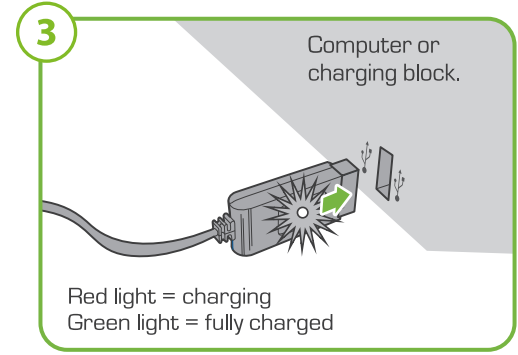
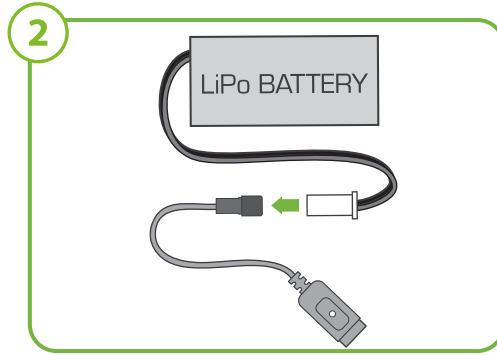
REMOTE BATTERIES (NOT INCLUDED)

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

3 x 1.5V AA(LR6)



CHARGING THE DRONE



CHARGING PRECAUTIONS:

- After use, allow the battery 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, turn off the drone immediately.
- Do not modify, heat, or wet the battery in any way.
- Only recharge with provided charger.

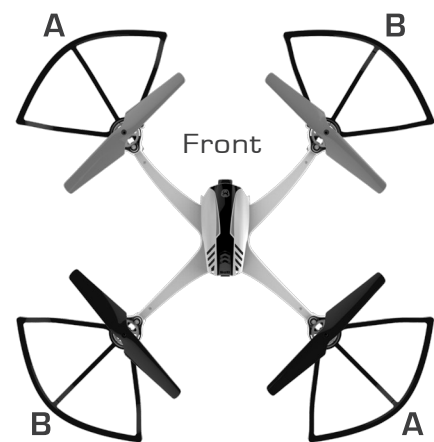
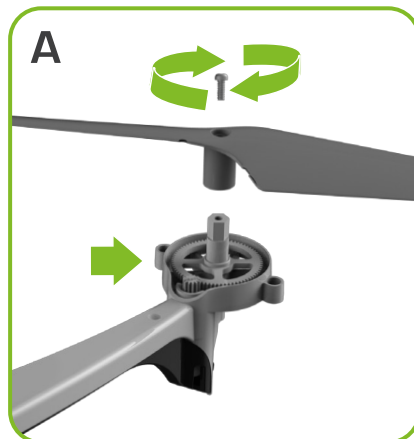
REMOVABLE BLADE GUARDS

Blade guards are recommended for inexperienced users of all ages. To attach blade guards, insert the guards to the end of each arm, under the blade.



REPLACING DAMAGED BLADES

Use the 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. For proper installation, tighten the screws until it is all the way down completely. See image below.



FAILSAFE GUIDE



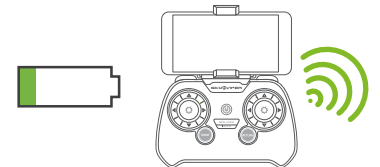
When the drone turns upside down, the motors will stop spinning.



When the drone goes of range of the controller, it will automatically return home/land. If the controller comes back into range before the drone lands, it is possible to cancel this automatic landing by pressing return.



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.



When the transmitter battery is at a critical level, it will alert with audible warning.



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 12 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 loose clothing, fingers, hair, eyes and other body parts.
- Always launch from a flat surface.
- Never leave the drone unattended while it is turned on.
- Read all enclosed information before operating.
- Keep instructions for use for later reference.
- Do not touch the rotating rotor.
- Do not change or modify anything on the drone.
- Only operate under good visibility and calm weather conditions.
- 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 3.7V 1200mAh:

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.
- Do not leave battery connected to drone when not in use.
- Rechargeable batteries are only to be charged under adult supervision.
- Rechargeable batteries are to be removed from the toy before being charged.

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.
- Non-rechargeable batteries are not to be recharged.
- 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.
- Battery chargers used with the toy are to be regularly examined for damage to the cord, plug, enclosure and other parts, and in the event of such damage, they must not be used until the damage has been repaired.

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.

Proudly built with open source code
<http://www.skyrocketon.com/open-source/>

This device is marked with the selective sorting symbol on waste electrical and electronic equipment. This means that this product should be supported by a selective collection system in accordance with applicable regulations in order to be either recycled or dismantled in order to reduce any impact on the environment. The batteries, submitted to a specific collection system, must be removed from the product and disposed of separately. When that the batteries are not to be extracted, the product must be delivered to an appropriate collection center for recycling is complete. Electrical and electronic products as well as batteries that have not been sorted before disposal are potentially dangerous for the environment and human health due to the presence of hazardous substances. For more information, contact your local or regional government.

Warning. Not suitable for children under 12 years of age. Before first use: Read the user's information together with your child. Keep the instructions for use for later reference. Flying the drone requires skill and users must be trained under the direct supervision of an adult.

Note for adult supervisors: Check if the toy is assembled as instructed. The assembly shall be performed under the supervision of an adult. Hands, hair and loose clothes must be kept away from the propeller (rotor). Do not touch the rotating rotor. Do not change or modify anything on the drone. For use only outdoors - not to be used indoors. Risk of eye injuries. Start and fly only when the area is appropriate for the intended use (free area, no obstacles) and only within direct visual contact. Start and fly is strictly forbidden near high voltage poles, railway tracks, roads, swimming pools or open water. Caution. Do not start up and fly when persons, animals or any obstructions are within the flying range of the drone. Flying range is up to 100M. Only operate under good visibility and calm weather conditions.

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/>

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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WE'RE HERE TO HELP

For questions about this product:

Online:
skyviper.com/support



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antenna solutions
ARDUPILOT

ISED RSS warning

This device complies with ISED 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 ISED regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by ISED. 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.

ISED Radiation Exposure Statement:

This equipment complies with ISED 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.

Le présent appareil est conforme aux CNR d'ISED 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 ISED, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par ISED. 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.

ISEDexposition aux radiations:

Cet équipement est conforme avec ISED 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.

Cet équipement doit être installé et utilisé avec un minimum de 20cm de distance entre le radiateur et votre corps.

FCC Radiation Exposure Statement:

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.