

XG-34 Neith

**Foldable Brushless Drone with Wi-Fi Camera and
GPS**



User's Guide for Model DRWG534B v3324-01

Warnings & Precautions

Important Safety Instructions

- Read and follow all instructions.
- Keep these instructions for future reference.
- Heed all Warnings.
- Intended for children ages 14 and higher. Adult supervision is required.
- Only use attachments/accessories specified by the manufacturer.
- Before flying, always check the body, rotors, and battery for any damage or obstructions.
- Battery should be free from cracks or swelling.
- Keep the rotors clear of any obstructions and body parts to avoid potential damage and injury.
- Manufacturer and dealer assume no liability for accidental damages from improper use or installation of parts, or from damage incurred from worn or broken parts.
- Pilots are responsible for their actions and any damage caused from improper use.
- Pilots should keep the craft in sight at all times during flight. If you lose sight of the craft at any time, power down and cease flight immediately.
- Only fly in large, open areas that are free from obstacles or potential hazards, such as trees, power lines, ceiling fans, and the like.
- Flying over bodies of water is not recommended.
- Flying at night is not recommended.
- Never try to retrieve the craft from areas you cannot safely reach, such as rooftops or trees.
- Never launch the craft from your hand.
- Never leave the craft unattended while it is powered on or while the battery is charging.

Do not mix old and new batteries.

- Do not mix alkaline, standard (carbon-zinc), or rechargeable batteries.

FCC Warnings

Warning: 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.

FCC Radiation Exposure Statement

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

Additional Warnings & Precautions

- WARNING: To reduce the risk of fire or electric shock, do not expose this apparatus to rain, moisture, dripping, or splashing.
- CAUTION: Use of controls or adjustments or performance of procedures other than those specified may result in personal injury.
- WARNING: 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.
- CAUTION: Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.
- Lithium batteries, like all rechargeable batteries, are recyclable and should be recycled or disposed of according to state and local guidelines. They should never be disposed of in normal household waste, and they should never be incinerated, as they might explode. Contact your local government for disposal or recycling practices in your area.
- WARNING: Shock hazard - Do Not Open.
- Battery shall not be exposed to excessive heat such as sunshine, fire, or the like.
- Keep new and used batteries away from children. If the battery compartment does not close securely, stop using the product and keep it away from children.
- If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.
- Do not mix old and new batteries.
- Completely replace all old batteries with new ones.
- Do not mix alkaline, standard (carbon-zinc), or rechargeable (ni-cad, ni-mh, etc) batteries.
- Batteries should be recycled or disposed of as per state and local guidelines.

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Neith Foldable Brushless Drone

FAA Information: Flying Your Drone Under the Special Rule for Model Aircraft

To fly under the Special Rule for Model Aircraft you must:

- Fly for hobby or recreation ONLY.
- Register your model aircraft.
- Fly within visual line-of-sight.
- Follow community-based safety guidelines and fly within the programming of a nationwide community-based organization.
- Fly a drone under 55 lbs. unless certified by a community-based organization.
- Never fly near other aircraft.
- Notify the airport and air traffic control tower prior to flying within 5 miles of an airport.
- Never fly near emergency response efforts.

You alone are responsible for safely and responsibly flying your drone. For more information on FAA Rules and Guidelines for flying Unmanned Aerial Systems please visit: <http://www.faa.gov/uas/>

Features

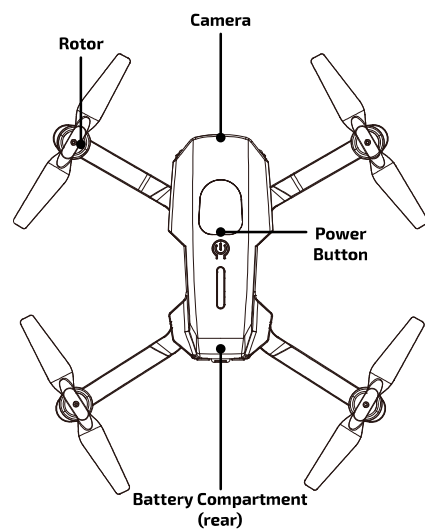
- 6-axis gyroscope
- GPS compatible
- Altitude hold
- Headless Mode
- Free Sky Rider GPS app
- Adjustable angle Wi-Fi camera
- Follow Me mode, Fixed-point surround flight, and Flight planning mode.
- Control distance: up to 984 feet
- LED navigation lights
- Operating time: up to 14 minutes
- Charge time: approx. 150 minutes

Includes

- USB charging cable
- 2.4GHz remote control: requires 3 AA batteries (not included)
- Rechargeable lithium polymer battery
- 4 replacement rotors
- Screwdriver

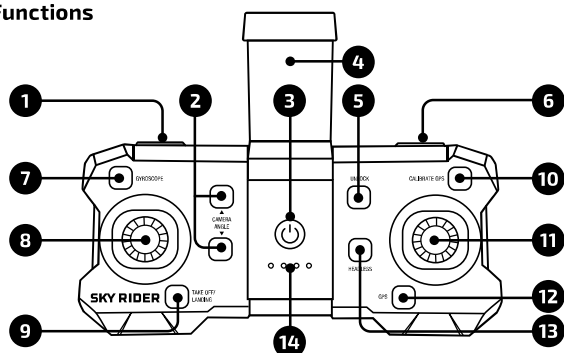
Diagram & Specifications

- Dimensions: 27x25x5.5cm/10.63x9.84x2.17 in. (LWH)
- Weight: 184g/6.49oz/0.41lb



Remote Control

Functions

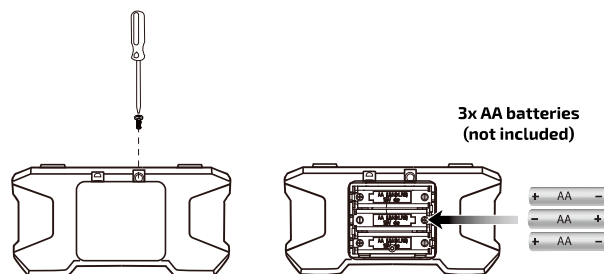


1. **Speed Setting**
Press to set low or high speed. Remote will chime to indicate setting.
2. **Camera Angle**
Press to angle the camera up/down.
3. **Power Button**
Located under the Phone Holder.
4. **Phone Holder**
Lift up to open.
5. **Unlock**
Press to unlock the drone.
6. **Return**
Press to activate one key return and land drone from place of takeoff.
7. **Gyroscope**
Press to calibrate the gyroscopes.
8. **Left Control Stick**
Throttle: push forward/backward
Spin: push left or right
9. **One Key Takeoff/Landing**
Takeoff: press once to takeoff.
Landing: press during flight to slowly land drone.
10. **Calibrate GPS**
Press to start calibrating the drone for GPS mode.
11. **Right Control Stick**
Pitch: push forward/backward
Roll/Bank: push left/right
12. **GPS**
Press to turn GPS mode on/off.
13. **Headless**
Press to turn Headless mode on/off.
14. **LED Indicator Lights**



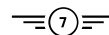
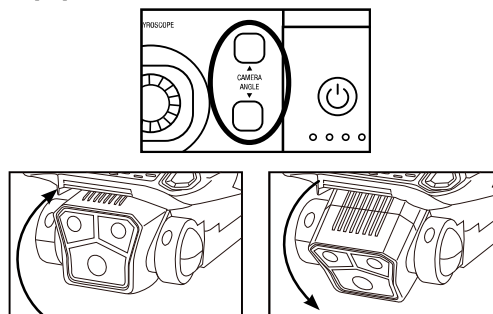
Remote Control

Battery Installation



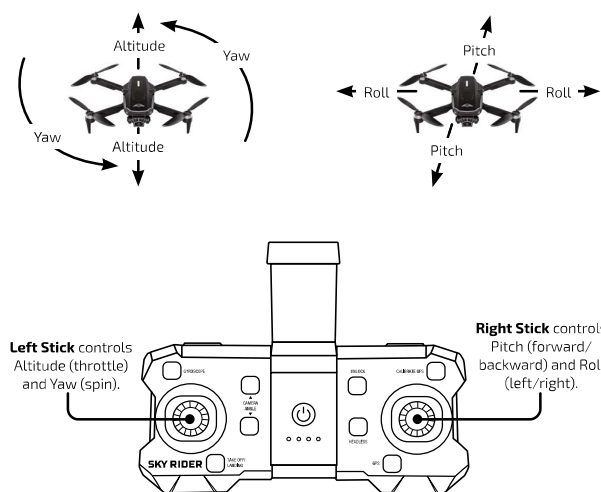
Camera Adjustment

Use the camera buttons on the remote to rotate the camera lens up or down and change the viewing angle.



Remote Control

Flight Controls



Note: For best flight performance, fly the drone at an altitude around 20 feet in the air. For setting altitude parameters for the GPS Flight Modes, see pages 14–18.

Charging the Battery

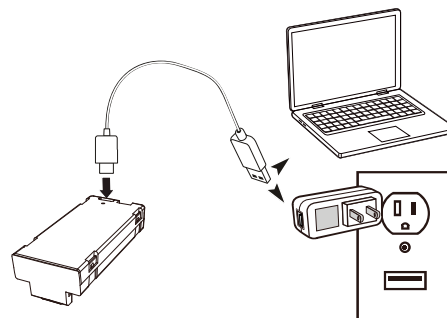
Information & Procedure

You must charge the battery before attempting to fly the craft. To avoid risk of injury or damage, **be sure the craft and remote control are both powered OFF and remove the battery from the craft when charging.** Charging time is approximately 150 minutes. Charge fully before use for best performance.

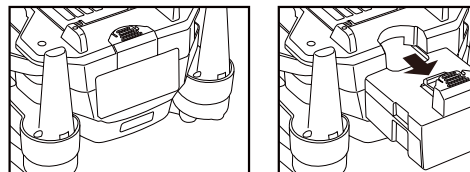
Using the USB charging cable (included), connect battery to the USB port of a powered-on computer or USB power adapter (not included).

While charging, the charger will turn ON.

When charging is complete, the light will turn OFF.



Battery Removal



Outdoor GPS Flight

Step 1 – Pre-Flight Condition Check

Check the surrounding area that you are about to fly in. Do not fly in rain or snow. Fly in open areas free of trees, power lines, buildings, airports, or air traffic. The drone has semi-autonomous features, such as the Waypoint Feature, but the pilot is still responsible for the drone's flight at all times.

For notes on the semi-autonomous **GPS Flight Mode** features, see pages 14–18 after following the calibration steps.

Note: To avoid injury, always keep a safe distance between yourself and the rotating propellers and motors. Do not touch the rotors when they are in motion.

Step 2 – Connect Your Phone to the Drone's Wi-Fi

Begin with the battery installed, the battery compartment closed, and both the drone and the remote powered OFF.

Power ON the drone. Make sure your phone's Wi-Fi is enabled.

Open the Wi-Fi settings on your smartphone. Search for and select **Sky Rider GPS-XXXXX** to connect to the drone.

Step 3 – Open the Sky Rider GPS App

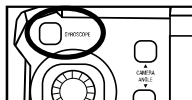
More information on the **Sky Rider GPS App** follows in the next section.

Step 4 – Calibrate the Drone's Accelerometer

Next, the drone's accelerometer and gyroscopes need to be calibrated. Place the drone on a flat surface.

Press the **Gyroscope** button on the remote.

The lights on the drone will begin to flash quickly, indicating it is in calibration mode. When successfully calibrated, the lights will flash slowly. The drone is now ready for flight.



Outdoor GPS Flight

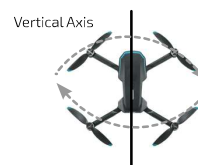
Step 5 – Calibrate the Drone's Magnetometer

The drone's GPS system needs to be calibrated to your specific geo-location, magnetic field, longitude/latitude, and elevation to fly properly.

Press the **Calibrate GPS** button on the remote.



The lights on the drone will begin to flash quickly, indicating it is in calibration mode. The app screen will display "Calibrate X." Hold the drone in your hand and rotate it clockwise around its horizontal axis 3–4 times. When finished, the app screen will display "Calibrate Y." Then, turn the drone on its vertical axis (camera facing up) 3–4 times. When successfully calibrated, the app screen will say "Calibration Check" and the lights on the drone will flash slowly.



Step 6 – Update GPS Position

When you're finished calibrating, place the drone on a flat surface to search for a GPS signal. When complete, the lights on the drone will turn solid. (This may take up to 3 minutes)

Step 7 – Unlock and Take Off/Landing

Press the **Unlock** button on the remote to unlock the drone. Or you can tap the **Unlock Icon** on the Flight Controls screen in the app. A prompt will appear asking if you would like to Unlock the drone, tap yes to unlock. The drone will then unlock, and the rotors will start to spin.

To take off, press the **Take Off/Landing** button on the remote to begin flying. Or you can tap the **Take Off** icon on the Flight Controls screen in the app. A prompt will appear asking if you would like to take off, tap yes to take off. The drone will fly up to a fixed height and hover in place.

Push the **Take Off/Landing** button or Icon again to land the drone.

Sky Rider GPS App

The Sky Rider GPS app will allow you to fly the drone with a GPS compatible smartphone and display the image from the drone's camera on your smartphone's screen.

Free Download

Scan the appropriate QR code with your smartphone or search for "Sky Rider GPS" in the Apple App Store or Google Play Store.

Connect to Wi-Fi

NOTE: Wi-Fi control may be interrupted by interference from other nearby Wi-Fi equipment.

Before beginning, make sure your phone's Wi-Fi is enabled and the craft is powered ON.

- From your smartphone, open the Wi-Fi settings menu, then search for and select **Sky Rider Cruise-xxxx** to connect to the craft.

Home Screen

Quick Start – Displays the Quick Start Guide for flying the drone and GPS Calibration.

Start – Start the app and begin flying.

Learn Video – Open a video tutorial on how to use the app, calibrate GPS, and more.

Media – Open the gallery and view images or video taken while flying.

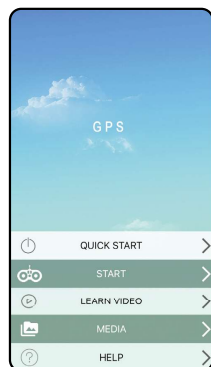
Help – Open a controller guide for flying and other controls available in the app.



Android

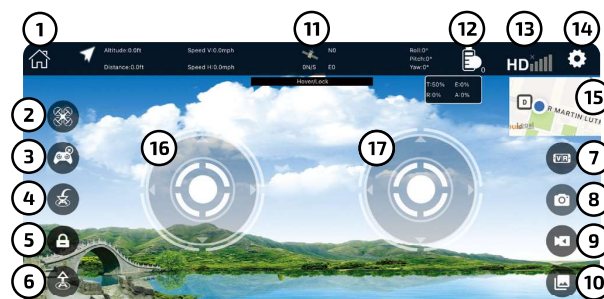


Apple



Sky Rider GPS App

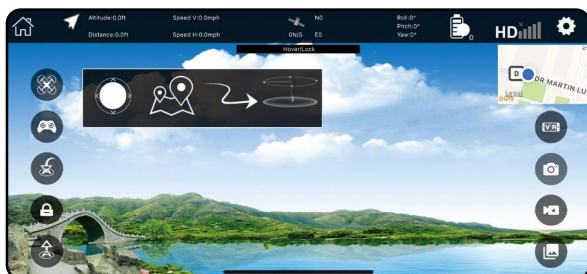
Flight Screen



- | | | |
|---------------------------|----------------------|---------------------------|
| 1. Home Screen | 6. Auto Take Off | 12. Drone Battery |
| 2. Control Mode | 7. 3D View (VR Mode) | 13. Wi-Fi Signal Strength |
| 3. Flight Controls ON/OFF | 8. Take Photo | 14. Settings |
| 4. Auto-Return | 9. Record Video | 15. Map |
| 5. Unlock Button | 10. View Gallery | 16. Throttle/Yaw Control |
| | 11. Flight Data | 17. Pitch/Roll Control |

Sky Rider GPS App

Flight Modes



First, tap the Control Mode icon to open the Flight Modes menu. Then, tap the icon for the flight mode you wish to select.

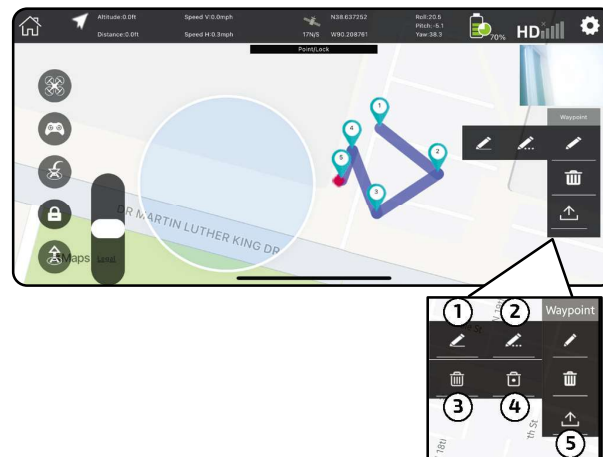
1. **Standard Flight Mode** – Use flight control sticks for drone flight.
2. **Waypoint Mode** – Use Map to set waypoints for the drone to follow.
3. **Follow Me Mode** – Drone maintains a set distance from remote control. Press to activate and the icon will turn yellow.
4. **Orbit Mode** – Activate drone orbit mode in which the drone will circle the remote point at a set distance.

Notes: For all flight modes, you must unlock the drone and take off before employing the flight path or mode.

For better performance, adjust the parameter settings before activating the GPS Flight Modes. You can adjust parameter settings by tapping the settings icon, then tapping the "Param" tab.

Sky Rider GPS App

Waypoint Mode



1. **Draw a Flight Path** – Use your finger to trace a flight path on the map.
2. **Set Waypoints** – Use your finger to set individual waypoints on the map.
3. **Delete All Waypoints** – Delete the entire flight path.
4. **Delete a Single Waypoint** – Delete one waypoint at a time from the flight path.
5. **Fly** – Send drone on the set flight path.

Notes: To adjust waypoint height and the drone speed for the flight path, tap the settings icon and go to the parameters setting (Param) tab.

Sky Rider GPS App

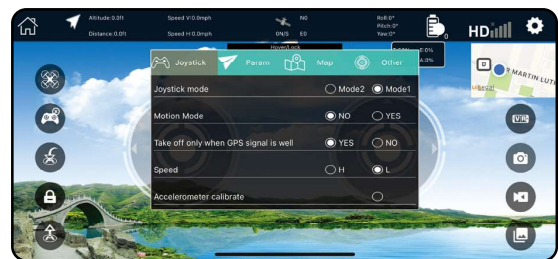
Orbit Mode



1. Select the Orbit Mode icon from the GPS Flight Modes list.
2. The drone will begin to orbit the controller at a consistent altitude and radius.
3. To adjust the altitude and radius, tap the settings icon and go to the parameter settings (Param) tab.

Sky Rider GPS App

Control Settings



Joystick Mode – Use flight control sticks for drone flight.

Motion Mode – Use the G-Sensor in your phone to control the drone. Tilt your phone forward, back, left, and right to control the pitch (forward and backward) and roll (left and right) of the drone. Altitude and yaw (spin) are still manually controlled by the Left Control Stick. This operation is off by default.

Take off – Only allow take off function during app operation with a strong GPS signal.

Speed – Select high speed or low speed responsiveness.

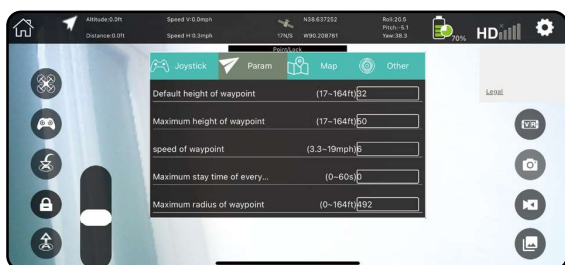
Accelerometer Calibrate – Press to calibrate the drone's accelerometer.

Magnetometer Calibrate – Press to calibrate the drone's magnetometer.

Sky Rider GPS App

Parameter Settings

Set various parameters for the drone's flying speed, altitude, and other settings.



Note: For better performance, adjust the parameter settings before activating the GPS Flight Modes.

If parameters are not adjusted before using automatic GPS flight modes, the drone will fly to the default height setting before starting the flight path.

Parameters you can adjust on the Parameter Settings Menu include:

- **Default Height of Waypoint:** The height the drone will reach when starting a flight path or orbit.
- **Maximum Height of Waypoint:** The upper height limit that the drone can reach when on a flight path or orbit.
- **Speed of Waypoint:** The drone speed on a flight path or orbit.
- **Maximum Time at Waypoint:** The time a drone will spend at a waypoint on a flight path before traveling to the next waypoint.
- **Maximum Radius of Waypoint**
- **Default Height for Return:** The height the drone will reach before returning to the launch spot using the Auto Return function.

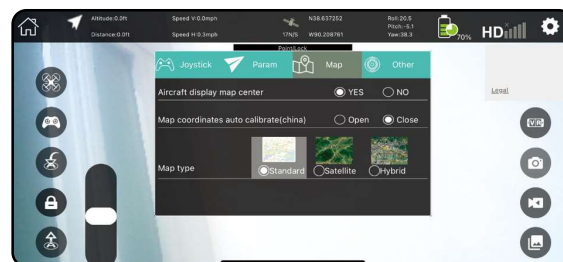
Sky Rider GPS App

Map Settings

Aircraft Display Map Center – Sets the drone as the center of the map view.

Map Type – Choose Standard, Satellite, or Hybrid view.

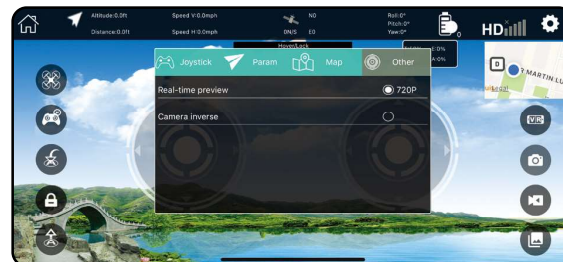
Note: Map Coordinates Auto Calibrate only available in China.



Other Settings

Real-time Preview – Change the display settings/resolution of the Wi-Fi camera transmission.

Camera Inverse – Flip the camera image on the screen.



VR Mode

Virtual Reality Mode

VR Mode splits the phone's screen for use in a VR headset (not included) **Press the 3D Mode (VR) button** on the screen to turn this feature ON or OFF. Use VR Mode to give a friend a fully immersive, point-of-view flying adventure.

NOTE:

- On screen flight controls are locked out in VR Mode. You must have the regular remote connected in order to fly the craft.
- **We do not recommend flying the craft while wearing a headset.** The craft's camera has a limited forward view, and the headset will completely obscure the user's peripheral vision and situational awareness. **Pilots assume all risk and are responsible for any damage caused by improper use.**

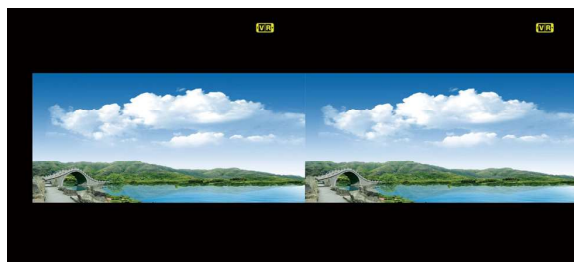


Photo and Video

Storing Photos and Video

When launching the app for the first time, a pop-up message will appear asking for camera permissions. If you would like to use the camera function, tap yes.

To save photos and videos to the gallery in the app, first visit the settings menu on your phone. Then, scroll through your apps and tap the Sky Rider GPS app.

On the app access screen, tap the photos option and allow the access you are comfortable with.

NOTE:

- The drone camera is still functional if photo access is denied. However, you will not be able to take photos or videos to view later on your phone.

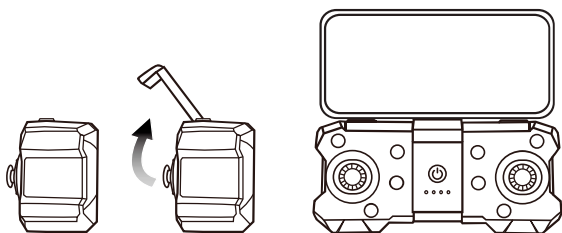
Phone Holder

Using the Remote & App Together

It can be easier to capture photos and video or navigate flight as a beginner by using the remote to fly the craft and using the app in a viewing-only method. Use the app and the remote together by attaching the smartphone holder (included) to the remote and placing your phone in the holder.

Follow the steps below to connect to the remote and the app in the proper sequence.

- **First, connect the remote to the craft like normal.** Connecting the remote first overrides any control signals from the app.
- Next, use your phone to connect to the craft's Wi-Fi. Open the app and go to the Flight Screen. Leave the Flight Controls off for the best view from the drone's camera.
- **Use the controls on the remote** to fly the craft while the Wi-Fi camera streams to your phone.
- When you're finished flying, power down the remote and craft like normal.



Flight without GPS

Step 1 – Pre-Flight Condition Check

Check the surrounding area that you are about to fly in. Do not fly in small, enclosed spaces, avoid large items, walls, or trees, as the craft may be drawn towards them if closer than 2-3 feet.

Step 2 – Connect Remote to the Drone

Begin with the battery installed, the battery compartment closed, and both the drone and the remote powered OFF.

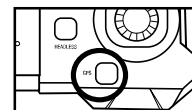
Power ON the drone. The LED lights on the drone will blink as it searches for a signal from the remote.

Power ON the remote. The light on the remote will blink as it searches for the signal from the drone. An audible chime will sound when the remote and the drone have linked.

Step 3 – Turn Off GPS

Note: The drone defaults to GPS mode. To fly the drone without using the Sky Rider GPS App, GPS must be turned off.

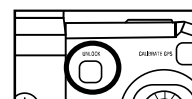
Press the **GPS** button. You will hear a short beep, indicating GPS is now off.



Step 4 – Unlock the Drone

Push the **Unlock** button to unlock the drone.

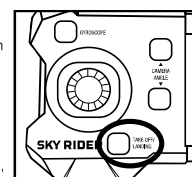
The rotors will begin to spin, but the drone will not take off.



Step 5 – Take Off/Landing

Push the **Take Off/Landing** button to begin flying. Push the **Take Off/Landing** button again to land the drone.

After landing, keep the **Left Control Stick** pulled down and wait for the rotors to stop spinning. **Power OFF the remote BEFORE powering OFF the drone.** This will ensure that no signals are accidentally sent by the remote, reducing the chance of injury. After this is done, it is safe to pick up and power OFF the drone.



Flight Controls

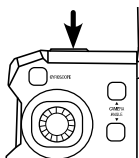
Tips for Safe Operation

- It is recommended to only fly in large, open spaces that are free of obstacles like power lines, trees, ceiling fans, etc.
- Stand behind the craft when first taking off, so that you and the craft are facing the same "forward" direction. This will help with orientation when the craft is airborne.
- Novice pilots should move the controls slowly and deliberately to get used to the craft's flying characteristics. Try using one control at a time.
- Practice basic flight operations like take off, hovering, and landing.
- If you get into trouble or if anything obstructs the rotors, cut power immediately and safely clear the obstruction. Check for possible damage before flying again.
- Stay clear of the rotors when they are in motion.

Speed Setting

Press the **Speed** button on the remote to change the craft's speed setting.

- **Low:** Provides smooth and predictable control of the craft. The remote will chime once to indicate the Low Speed setting. (This is the default speed setting).
- **High:** Highest speed/input response setting. The remote will chime two times to indicate the High Speed setting.



Headless Mode

Before using Headless Mode be sure you and the craft are facing the same "forward" direction, otherwise the craft will not fly correctly. **To activate Headless Mode, press the Headless button** on the remote control. The LED lights will slowly flash while Headless Mode is ON. Press the button again to deactivate Headless Mode.

While Headless Mode is active the craft will fly in whatever direction the **Right Control Stick** is moved, regardless of where the front of the craft is pointing. For example, if the front of the craft was pointed straight ahead but is now pointed right 90°, when you push forward on the stick the craft will fly forwards as if it were still pointed straight ahead. This can be useful if you become disoriented while flying and cannot visually determine which direction the craft is facing.

Parts & Repair

Parts Replacement

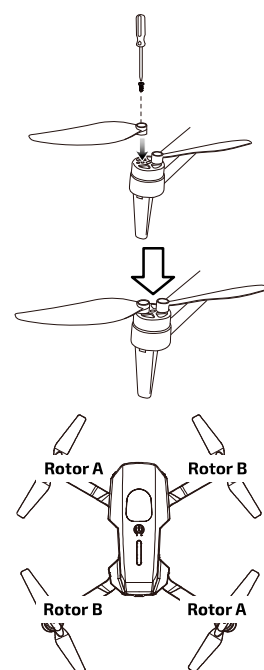
Standard parts such as extra batteries and remotes are available online for purchase when in stock. However, any non-standard parts such as cameras, screws, bodies, etc. can be ordered by placing an inquiry with our parts department at: partsinfo@dpiinc.com.

Rotor Replacement

The craft comes with replacement rotors if the originals are broken or badly damaged. Use the included screwdriver to remove the rotor retaining screw that holds the rotor to the motor shaft. Once the retaining screw is out, pull upwards on the rotor to remove it from the motor shaft. Installation of the new rotor is the reverse of the removal process. Be sure to tighten the rotor retaining screw firmly, but do not over tighten.

It is extremely important to use the correct rotor (A or B) for replacement. Using the incorrect rotor will make the craft impossible to control. The marking can be found on the rotor near the shaft.

REMINDER: Pilots are responsible for any damage caused by improper use.



Troubleshooting

Troubleshooting Guide

PROBLEM	POSSIBLE CAUSES	SOLUTION
Drone does not respond to controls.	<ul style="list-style-type: none">No power to remote or drone.Poor contact between power plugs.Drone is out of range.	<ul style="list-style-type: none">Check remote batteries, replace if needed.Check drone battery, be sure it is fully charged.Be sure the power plugs are firmly connected.Be sure the remote has an unobstructed line of sight to the drone.Remain within the remote's 328ft. range.
Drone is difficult to control or flies erratically.	<ul style="list-style-type: none">Gyroscopes may be misaligned.	<ul style="list-style-type: none">Power OFF remote and drone and reconnect (see pg. 10).
Drone suffers from mechanical trouble.	<ul style="list-style-type: none">Damage to body, rotors, or other major components.	<ul style="list-style-type: none">Repair or replace parts as needed.
LED lights ON but drone does not respond to controls.	<ul style="list-style-type: none">Low battery power.	<ul style="list-style-type: none">Recharge the battery.

Customer Support

Contact Information

Website: www.gpx.com
Email Support: prodinfo@dpiinc.com
Email Parts: partsinfo@dpiinc.com
Phone Support: 1-888-999-4215

Warranty

See included 30 Day Warranty for warranty information. Warranty and the most up-to-date version of this User's Guide can also be found at: www.gpx.com

International Support

To download this User's Guide in English, Spanish, and French, or to get answers to frequently asked questions, visit the support section at: www.gpx.com

Para descargar este Manual del Usuario en inglés, español y francés, o para obtener respuestas a preguntas frecuentes, visite la sección de apoyo en: www.gpx.com

Pour télécharger ce guide de l'utilisateur en anglais, espagnol ou français, ou pour obtenir des réponses à des questions fréquemment posées, consultez la rubrique d'assistance sur: www.gpx.com



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