PORODO

Porodo

AEROSWIFT Drone

SKU: PD-DRNFBM

Table of Contents

Overview

Thank you for purchasing the Porodo Aeroswift drone. This remote-controlled drone is specially designed for outdoor use. To ensure you achieve the best results, please read this user manual thoroughly before operation. Keep this manual in a safe place for future reference.

Features

1. Obstacle Avoidance Function: This drone is equipped with sensors that detect and navigate around obstacles automatically, enhancing safety during flight.

2. Optical Flow Function: Enhances flight stability and accuracy by using a ground-facing camera to recognize and hold its position.

3. Picture in Picture Video: Allows you to view a small window of video footage within a larger view for enhanced situational awareness.

7 .3 Minutes Flight Time Approx: Offers approximately 7 minutes of flight time on a single charge, suitable for short, focused missions.

4. HD Video: Captures high-definition video footage, ensuring crystal clear visuals for both recreational and professional use.

5. Auto Takeoff and Landing: Simplifies the flying experience with automated takeoff and landing capabilities at the push of a button.

6. Real Time Transmission: Provides the capability to stream video footage directly to your device in real time.

7. Real Time Viewing: Allows you to watch the drone's camera feed live, enhancing control and interactive possibilities.

8. Headless Mode Directional Lock: Facilitates easier control by fixing the drone's forward direction independent of its actual head orientation.

9. Easy USB Plug-In Charging: Convenient charging through a USB connection, allowing for easy power-ups using common devices.

10. Variable Speed Settings: Offers multiple speed settings, enabling precise control and responsiveness tailored to the pilot's skills.

11. 50m Range: The drone can be operated up to 50 meters away, giving you ample distance to explore and record.
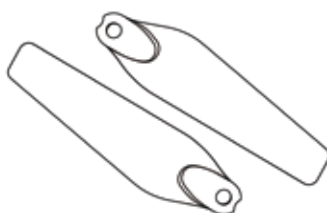
Specifications

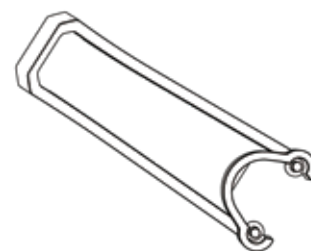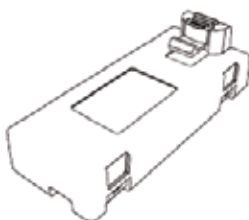| Battery	Li-ion 3.7 V 700mAh - 4* AAA for Controller (Not Included)
Charging Time	About 110-120 minutes by USB cable
Flight Time	About 7mins
Operation Distance	40-50 meters
FPV Distance	50-80 meters
Maximum Speed	7Km/h
Motor Type	1503 Brushless Motor
Unfolded Size	21×21×7cm
Folded size	7.5×13×7cm
Drone and Battery Weight	137g

Package Contents

Drone

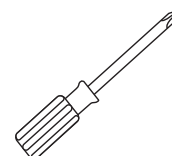8 Propellers

4 Propeller Guards
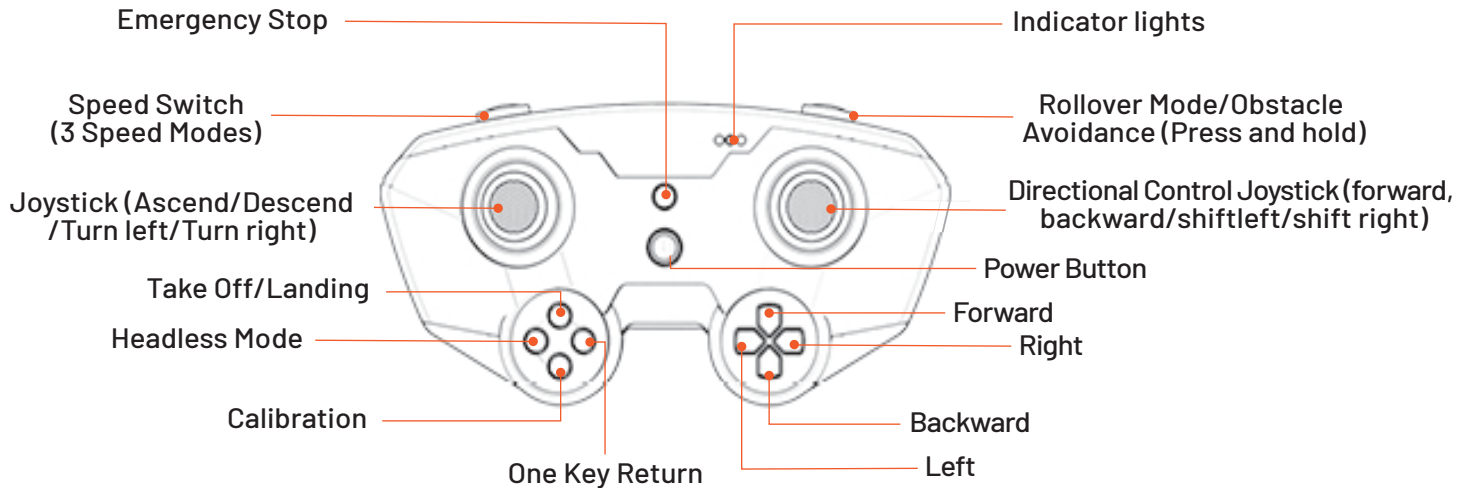
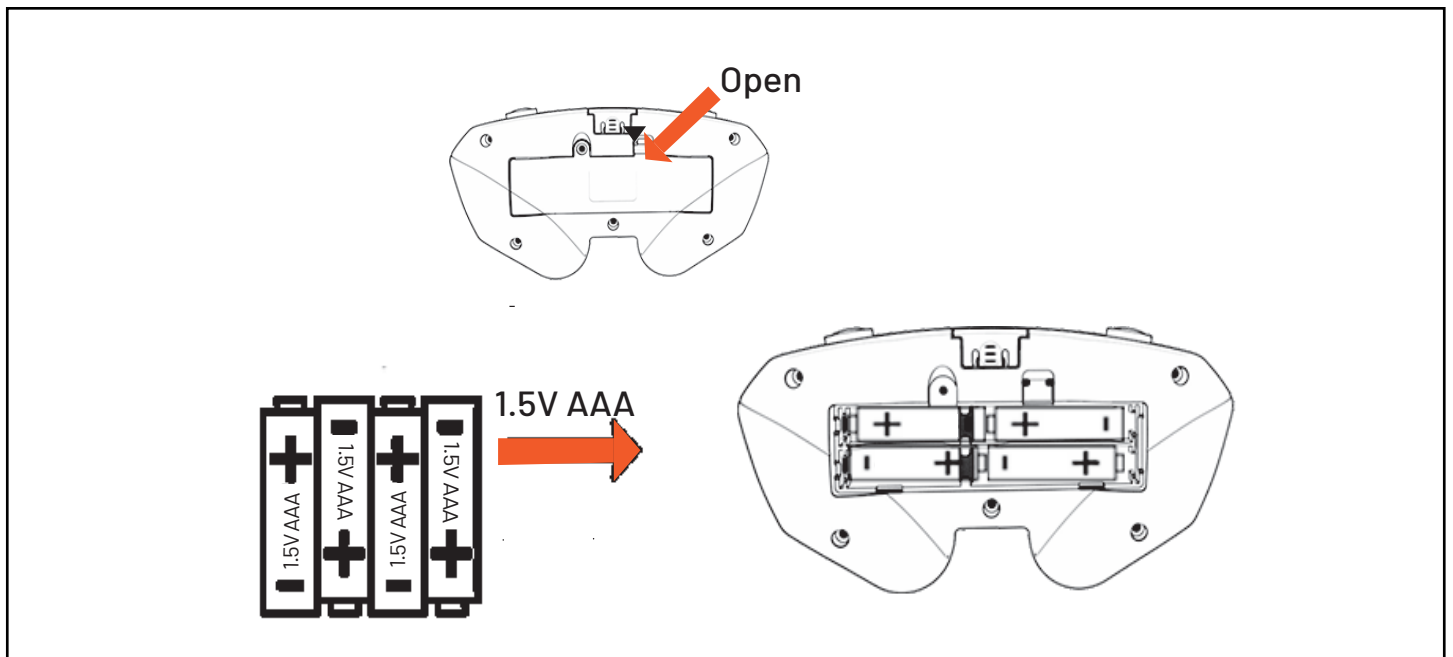USB Charging Cable

Li-Polymer Battery

Phone Holder

Screw Driver

Precautions

1. Do not allow children or those unable to operate the drone safely to use it without supervision. Only individuals aged 14 and older who have sufficient experience should operate the drone.

2. Keep all small parts and accessories out of reach of children to prevent choking hazards.

3. Your drone is not a toy. Ensure it is properly assembled and operated safely at all times.

4. Avoid flying near obstacles, crowds, power lines, trees, and bodies of water. Always operate your drone in open, spacious environments, and do not fly directly over people or animals. Maintain at least a 7-foot (2-meter) distance from the drone during takeoff and landing.

5. Operate your drone only in dry environments. The drone's electronic components are sensitive to water and moisture. Clean your drone with a soft, dry cloth to prevent damage.

6. Beginner and novice pilots should practice under the guidance of experienced pilots until they are proficient and confident in their flying skills.

7. For safety, ensure that only the parts provided with the drone are used during operation.

8. Always protect your ears and eyes while operating the drone. Keep all bystanders and any loose objects well away from the drone's spinning blades to prevent accidents.

9. Keep the drone away from excessive heat or flames, particularly when charging the battery, to avoid damage or fire risk.

10. Dispose of or recycle your drone in accordance with local regulations. Contact local recycling centers or the drone manufacturer for more information on proper disposal practices.

Remote Control Schematic View

Emergency Stop

Indicator lights

Speed Switch
(3 Speed Modes)

Rollover Mode/Obstacle
Avoidance (Press and hold)

Joystick (Ascend/Descend
/Turn left/Turn right)

Directional Control Joystick (forward,
backward/shiftleft/shift right)

Take Off/Landing

Power Button

Headless Mode

Forward

Right

Calibration

Backward

One Key Return

Left

Remote Control Battery Installation

Open

1.5V AAA

1.5V AAA
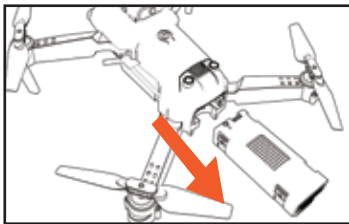1.5V AAA
1.5V AAA
1.5V AAA

1. Use the provided screwdriver to unscrew the battery compartment on the back of the remote control.

2. Press down on the tab to open the compartment.

3. Insert four AAA 1.5V batteries, ensuring that they are aligned with the correct polarity (+/–) as indicated within the compartment.

4. After inserting the batteries, replace the compartment cover and use the screwdriver to secure it tightly, ensuring the cover is properly closed.
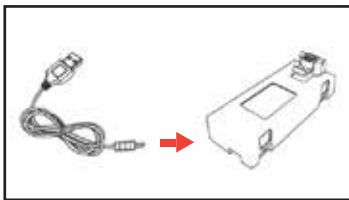
Warning

1. Avoid mixing rechargeable and non-rechargeable batteries, as well as newand old batteries, to prevent performance issues and potential damage.

2. Properly dispose of exhausted batteries according to your local municipality's regulations to ensure environmental safety.

3. If the remote control will not be used for an extended period, remove the batteries to prevent damage or leakage.
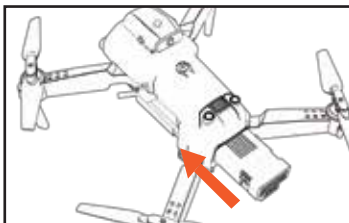
Charging the Drone

1. Removing the Battery: Carefully remove the lithium module battery from the drone by pulling it out as indicated.

2. Connecting the Charger: Attach the battery plug to the included USB charging head. Connect this setup to a USB charging adapter (not included). For optimal charging, use a 5V, 2-1A charger.

3. Charging Process: An LED light on the charger will illuminate to indicate charging is in progress. This light will turn off once the battery is fully charged, which typically takes about 120–110 minutes.

4. Reinserting the Battery: Once fully charged, securely insert the battery back into the drone.

Note

When the drone's battery is nearly depleted, a slowly flashing light will appear on the drone. Upon noticing this light, land your drone as soon as possible to avoid a forced shutdown.

Warning

1. Immediately unplug the charger if it overheats to prevent battery damage.

2. Never leave the battery charging unattended.

3. Only use the USB cable provided with the drone for charging.
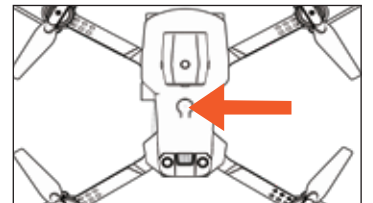
4. Allow the drone to cool down for at least 30 minutes after use before charging. Charging a hot battery can lead to damage.

5. Remove the battery from the drone when not in use and store it in a cool, dry place.

6. Avoid exposing the battery to excessive heat, flames, or fire.

7. Do not short-circuit the battery. Ensure it does not come into contact with any metal objects.

Pre-flight Preparation

1. Before your first flight it is crucial to familiarize yourself thoroughly with the drone's instructions and controls.

2. Review the manual multiple times and practice handling the remote control until you are fully comfortable.

3. Position your drone in a clear, open area on a stable, flat surface before takeoff.

4. Practice using the joysticks to gain confidence in maneuvering the drone.

5. Frequent practice with the remote and control sticks will enhance your proficiency with the drone's movements and prepare you to handle unexpected flight situations effectively.
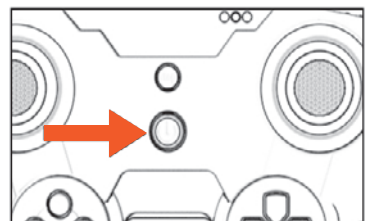
6. Powering the drone:

6.1 Turning On the Drone: Press the power button located on the top of your drone to turn it on. The drone's indicator lights will flash upon activation.

6.2 Turning Off the Drone: Press and hold the power button for approximately 3 seconds to turn the drone off.
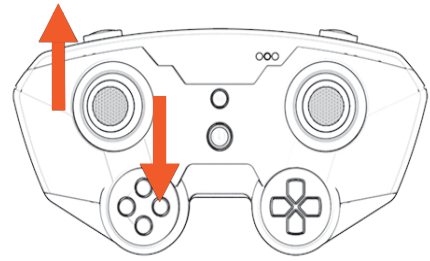
6.3 Activating the Remote Control: After powering on the drone, press and hold the Power Button on your remote control to synchronize it with the drone.

Pairing the Drone

1. Ensure both the remote and the drone are powered on. Place the drone on a flat surface as holding it in your hand may interfere with connectivity.

2. Move the joystick on your remote to its highest position, then pull it down to its lowest point.
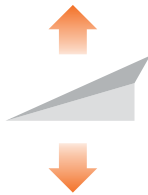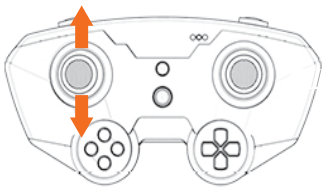
3. Repeat the calibration process a few times until the remote control successfully connects with the drone.

4. Execute the above steps each time before flying to ensure proper connection between your remote control and drone.

Notes:

1. When powered on, the drone's indicator lights will flash. The light will stop flashing and maintain a steady glow once the drone is synchronized with the remote.

2. Ensure the drone's head is facing forward during the synchronization process with the remote control.

Drone Control Instructions

Ascending: Push the throttle stick upwards to make the drone ascend.
Descending: Pull the throttle stick downwards to make the drone descend.

To turn the drone to the left, slide the joystick to the left.
To turn the drone to the right, slide the joystick to the right.

Move the directional control stick upwards to tilt the drone forward, causing it to move forward.
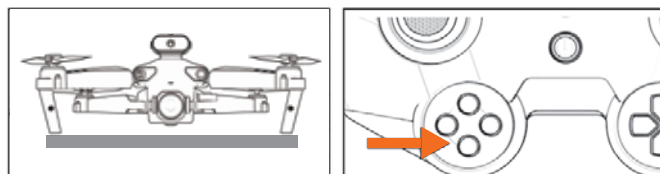Move the directional control stick downwards to tilt the drone backward, causing it to move backward.

Slide the directional control stick to the left to make the drone slide to the left.
Slide the directional control stick to the right to make the drone slide to the right.

Calibrating Drone's Gyroscope

Calibrate your drone's internal gyroscope to ensure a smooth and stable flight. Before starting the calibration process, place your drone on a flat and stable surface. Press the calibration button on your remote control. The drone's LED lights will begin to flash rapidly. Wait for the lights to shine steadily, which indicates that calibration is complete.

Note

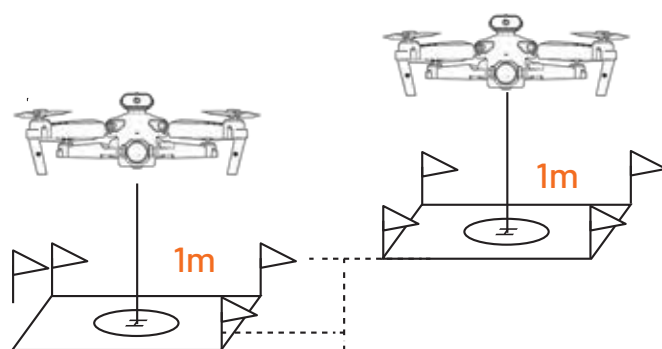Failure to calibrate the drone before takeoff can result in unstable and disoriented flight.

One Key Takeoff & Landing

Takeoff: Once your drone is unlocked, press the One Key Takeoff button. The drone will automatically ascend and hover approximately 1 meter above the ground. **Landing:** Press the One Key Landing button to automatically land the drone safely on the ground.

Note

Ensure that the drone is properly calibrated before attempting any flight to maintain stability and safety.
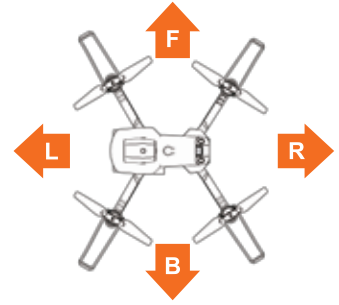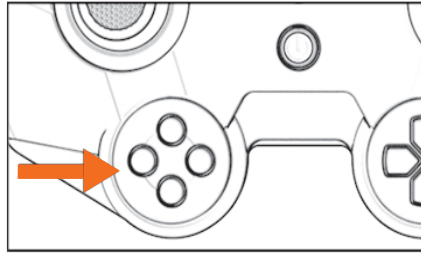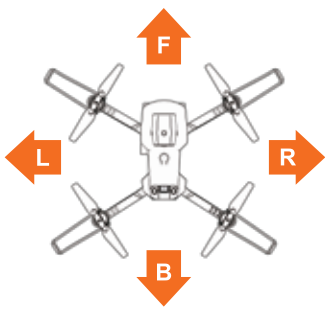

Headless Mode

The Headless Mode simplifies flying by making the drone respond to control inputs relative to your position, regardless of its actual orientation. To activate Headless Mode:

1. Ensure your drone is on the ground and you are standing in front of it.

2. Press the Headless Mode button on your remote control before takeoff.
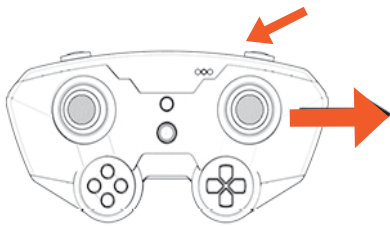
Note

This feature is especially useful for beginners, as it allows for easier control and navigation by aligning the drone's movements with your perspective at all times.
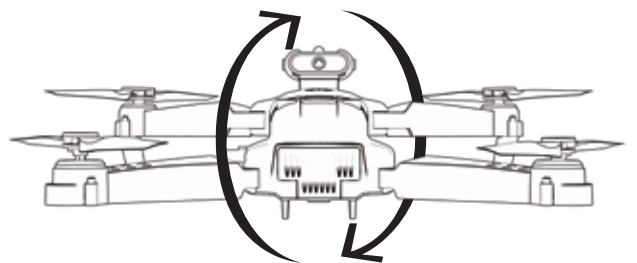

Rollover Mode

The drone is equipped to perform a 360° roll in the air. Ensure the drone is at least 5 meters above the ground before initiating a roll to maintain safety. To roll to the right direction, press the Rollover Mode button, then quickly push the directional lever all the way to the right. Release the lever to its neutral position once the roll is complete.
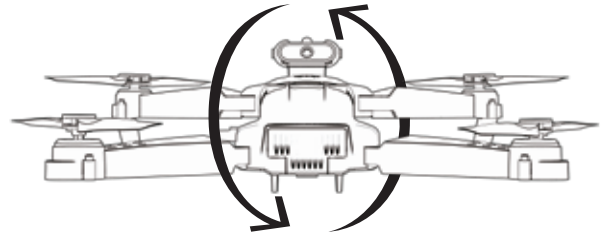

Press the Rollover Mode button on your remote control. Push the directional lever to the farthest left position to begin the roll. After the drone completes the roll, release the directional lever, allowing it to return to the center position.

Press the Rollover Mode button on your remote control to activate the feature. Push the directional lever upward as far as it will go to start the forward roll. Once the drone completes the roll, release the directional lever, allowing it to return to the center position.

Activate the roll by pressing the Rollover Mode button on your remote control. Push the directional lever upwards to the maximum extent to commence the forward roll. After the drone completes its roll, release the directional lever to allow it to return to the center position.
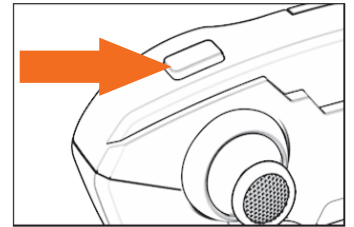

Speed Adjustment

Cycle through the drone's speed settings by pressing the Speed Control button. Each press will toggle through low, medium, and high speeds:
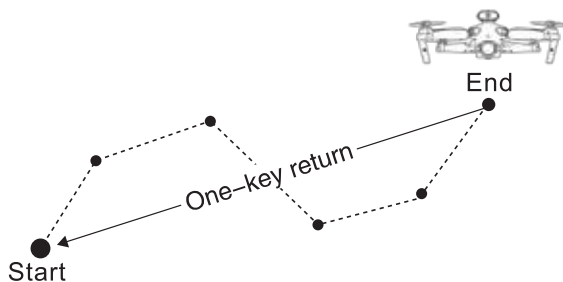
One Beep: Indicates Low Speed Mode.
Two Beeps: Indicates Medium Speed Mode.
Three Beeps: Indicates High Speed Mode.

One Key Return

1. While your drone is in flight, press the One Key Return button to initiate an automatic return flight. The drone will navigate back towards the direction from which it initially took off.

2. During the One Key Return mode, you have the ability to manually adjust the drone's flight path if necessary.

3. To discontinue the One Key Return mode, push the directional lever forward.
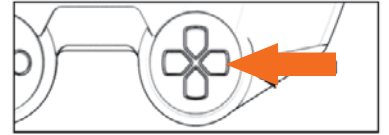

Emergency Stop Function

Use the Emergency Stop function if your drone exhibits abnormal behavior, crashes, or becomes uncontrollable during flight. Press the Emergency Stop button on your remote control to immediately trigger the drone's descent from the air.
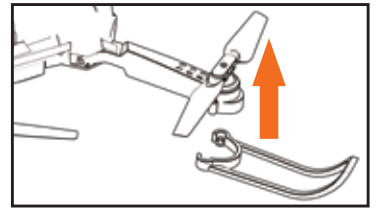
Adjusting Trim

Use the indicated buttons on your remote control to fine-tune the drone's alignment if it appears to be tilting or drifting. Press the appropriate buttons to adjust the drone's orientation until it flies level and straight.
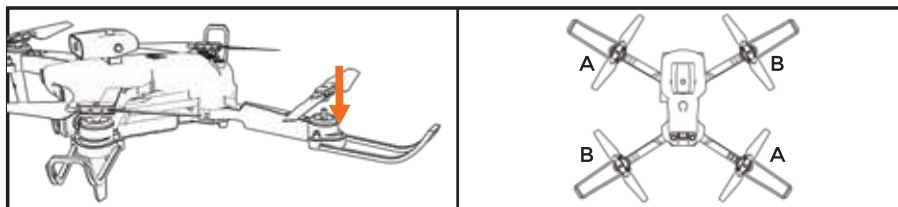
Propeller Guard Installation

To install the propeller guards, attach each guard to the corresponding mount on the drone as illustrated in the diagram below. Ensure each guard is securely fastened to provide optimal protection and stability during flight.

Propeller Blade Installation

When replacing the drone's propeller blades, ensure that each blade is attached in its designated position as indicatedin the diagram below. Blades are labeled 'A' or 'B' to match theircorresponding arm on the drone.

Caution

Incorrect installation of propeller blades can prevent the drone from taking off or could cause unstable flight behaviors such as rolling or falling.
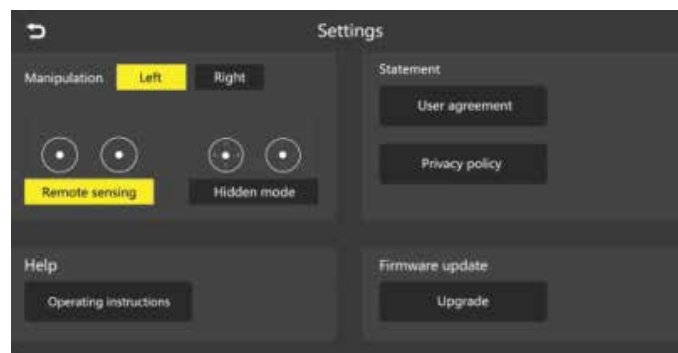
App Connectivity

Download and Install Mobile App:

1. Search for "KY UFO" in the App Store or Google Play to download and install.

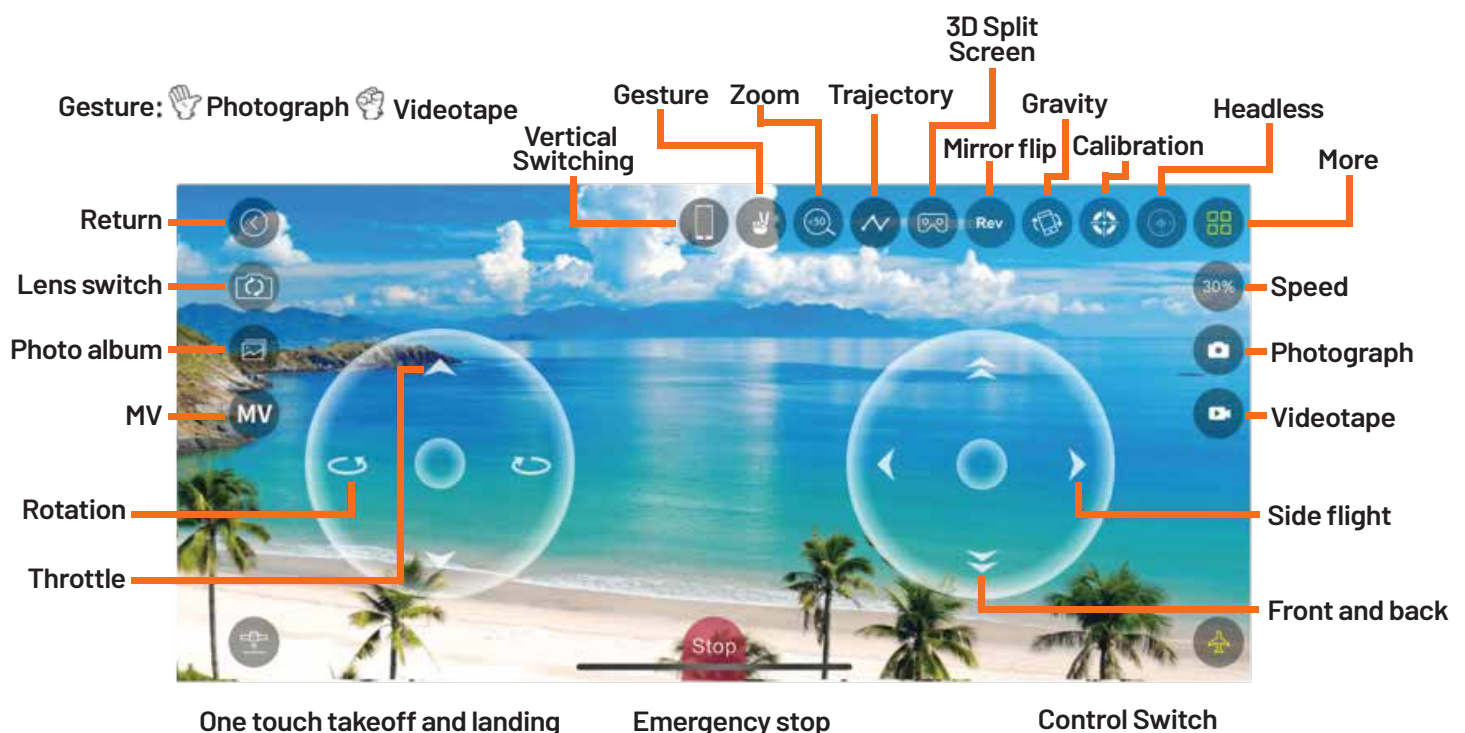**2.** Scan the QR code below to download and install the app.
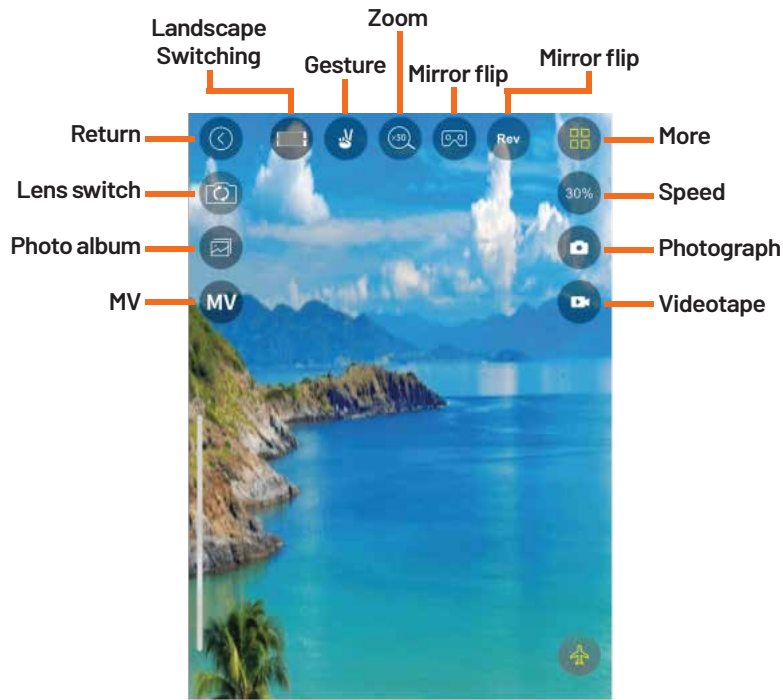
Connection Settings:

1. Turn on the power switch of the product.

2. Open your mobile phone's settings, activate WiFi, find "**Flow-xxxxx**" in the WiFi search list, and click 'Connect' until the connection is successful.

3. Open the app and click the "start" icon to access the real-time interface.

Various functions are displayed in the figure below:

Gesture: 🖐 Photograph ✌ Videotape

Vertical Switching

Gesture Zoom Trajectory

3D Split Screen

Mirror flip Gravity Calibration Headless

More

Return

Lens switch

Photo album

MV

Rotation

Throttle

Speed

Photograph

Videotape

Side flight

Front and back

One touch takeoff and landing   Emergency stop   Control Switch

Flight control is not possible on this device when the screen is in vertical orientation.

Warranty

Products that you buy directly from our **Porodo** website or shop come with a 24-month warranty.

When you buy **Porodo** products from any of our approved sellers, you only get a 12-month warranty. If you want to extend this warranty, go to our website at **porodo.net/warranty** and fill out the form with your information. Don't forget to upload a picture of the product too. After we've checked and accepted your request, we'll send you an email to confirm that your product's warranty has been extended.

For more info, please check:
porodo.net/warranty

Contact Us

If you have any questions about this Privacy Policy, please contact us at:
info@porodo.net
Website: **porodo.net**
Service Support: **support@porodo.net**
Instagram: **porodo**