



RC Drone

X80G



QuickGuide

English

www.adesso.com

Limited Warranty

Adesso provides a one year limited warranty for all of its products against defects in material and workmanship.

During this period, Adesso will repair or replace any product which proves to be defective. However, Adesso will not warranty any product which has been subject to improper freight handling, shipping abuse, neglect, improper installation or unauthorized repair. The warranty will not cover products installed with components not approved by Adesso and products where the sealed assembly trace has been broken.

If you discover a defect, Adesso will, at its option, repair or replace the product at no charge to you provided you return it during the warranty period with freight charges pre-paid to Adesso. Before returning any product, you must obtain a Return Merchandise Authorization number (RMA). This RMA # must be clearly marked on the outside of the package you are returning for warranty service. Be certain to also include your name, shipping address (no PO Boxes), telephone number, and a copy of the invoice showing proof of purchase in the package.

Support

We have listed most of our FAQ's (Frequently Asked Questions) at: <https://www.adesso.com/faq.php>. Please visit our FAQ Service & Support pages before you contact our E-mail or Telephone Support.

Email Support: If our FAQ's do not help you resolve your issues, please email support@adesso.com

Telephone Support:

Toll Free: (800) 795-6788

9:00AM to 5:00PM PST Monday - Friday

Introduction

The Adesso CyberDrone X3 is an entry-level drone designed for beginners and hobbyists. Equipped with altitude hold for stable hovering, headless mode for easier control regardless of orientation, and 3D flip functionality for aerial stunts, it offers a fun and user-friendly flying experience. The drone also features speed selection, allowing pilots to adjust the pace to their skill level. Controlled by a 2.4GHz remote controller, the CyberDrone X3 provides reliable performance and responsive handling, making it an ideal choice for those new to drone flying.

Specifications

- Playing Time: 16 Minutes
- Battery For Drone: 3.7V 1800mAh
- Battery For Remote: AA 1.5V *3
- Charging Time: 150 Minutes
- Control Distance: 984 ft / 300m
- View Angle: 70°
- Max Speed: 18 Mph / 28 Kmh
- Resolution: 2K
- FPS: 30 FPS @ 1080P, 20 FPS @ 2K
- GPS Follow Me: Yes
- Waypoints: Yes
- Geofencing/GPS: Yes
- Function: Altitude hold, one key take off/landing, app control, one key return, Camera control, GPS, WIFI
- Dimensions: 12.9" x 11.6" x 2.36" (328x295x60mm)
- Weight: 0.4 lbs (195g)

Requirements

- Must have an open area to operate the drone
- AA 1.5V *3 Batteries for the remote

Safety Precaution

NOTICE: This drone is a sophisticated consumer device and should be operated with care and responsibility. Please ensure that you read and follow all instructions prior to use. Disassembly of the product is not recommended, as it may result in personal injury, damage to the device and void the warranty. The manufacturer assumes no liability for damages or malfunctions caused by improper use.

IMPORTANT SAFETY GUIDELINES

FLY RESPONSIBLY:

Always fly in a safe, open area away from people, pets, and buildings.

Avoid flying over crowds or busy areas—accidents can happen due to unexpected errors or interference.

What to Avoid:

Restricted Areas: Do not fly the drone in restricted zones such as near airports, military installations, government facilities, or other no-fly zones as designated by local regulations. CHECK YOUR MUNICIPAL GOVERNMENT WEBSITE FOR DRONE USE GUIDELINES IN YOUR AREA.

Sensitive Environments: Avoid flying in wildlife reserves, near hospitals, or over private properties without permission, as this could disturb wildlife, violate privacy, or breach local laws.

High-Interference Areas: Refrain from operating the drone in areas with heavy electromagnetic interference, such as near radio towers or large power stations, to maintain stable control and signal integrity.

FOR BEGINNERS:

- Operate the drone only in calm weather conditions, such as light breezes, to ensure stable and predictable performance.
- If you are new to flying drones, seek guidance from an experienced pilot during your initial flights to ensure proper handling and safety.
- This product is recommended for users aged 14 and above.

HELPFUL TIPS

Keep the Batteries Charged:

Make sure this drone and its controller are fully charged before flying to get the maximum experience and performance.

Check for Damage: If the drone exhibits signs of damage or malfunctions during operation, immediately cease use and arrange for it to be inspected and if necessary, repaired before attempting to fly again. Prioritizing safety is of utmost importance.

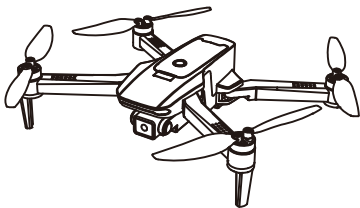
Safety Precaution Continued

Remove Batteries When Not in Use:
if the controller will not be in use for an extended period, remove the batteries prior to storage to prevent potential battery leakage or damage.

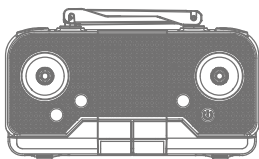
Handle with Care: Handle the controller with care—avoid dropping it or subjecting it to impacts, as such actions may compromise its functionality and shorten its lifespan.

Protect Your Eyes: Avoid staring directly into the drone’s LED lights for prolonged periods, as this may cause eye strain or discomfort.

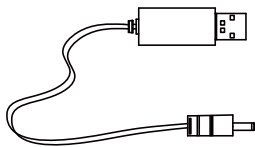
Package Contents



CyberDrone X3



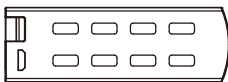
Remote Control



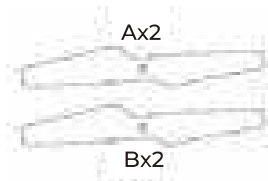
Charging Cable



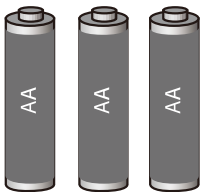
Screw Driver



Li-Polymer
Battery

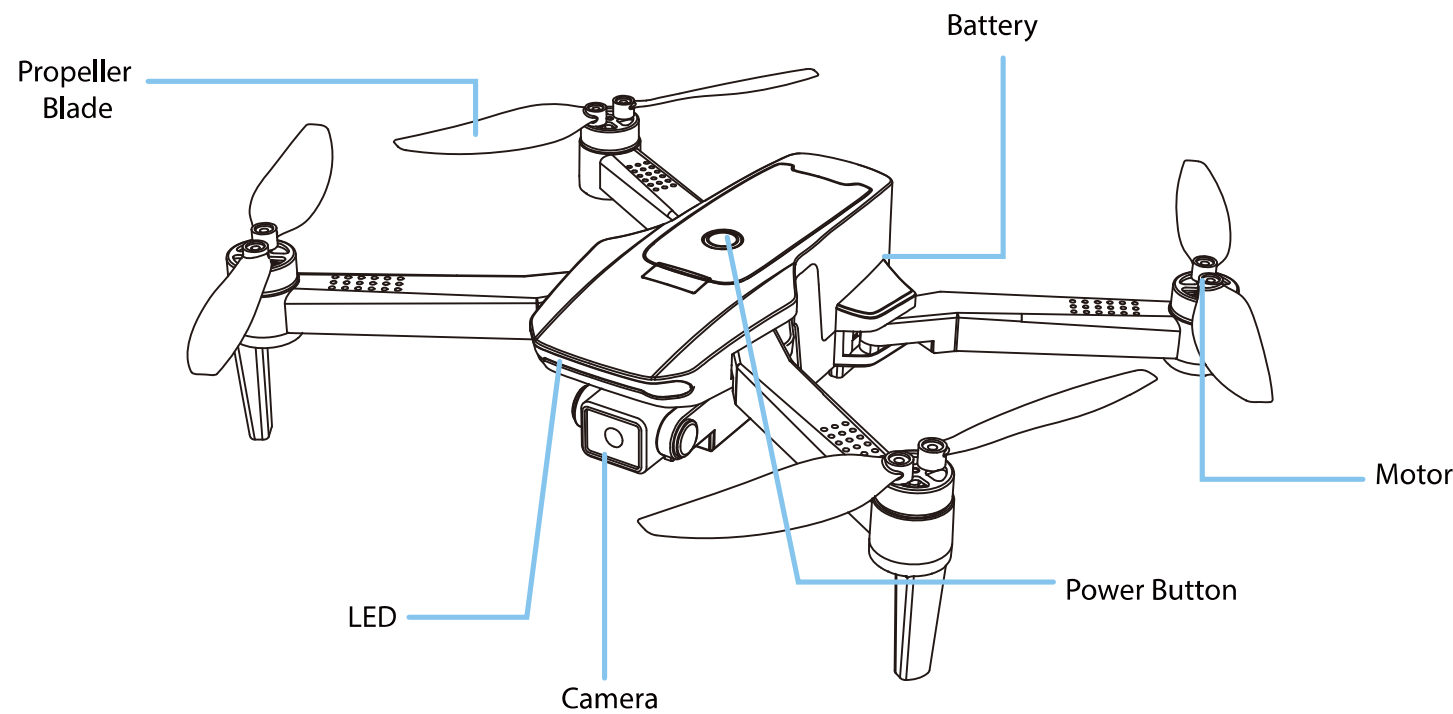


Replacement
Propeller Blades

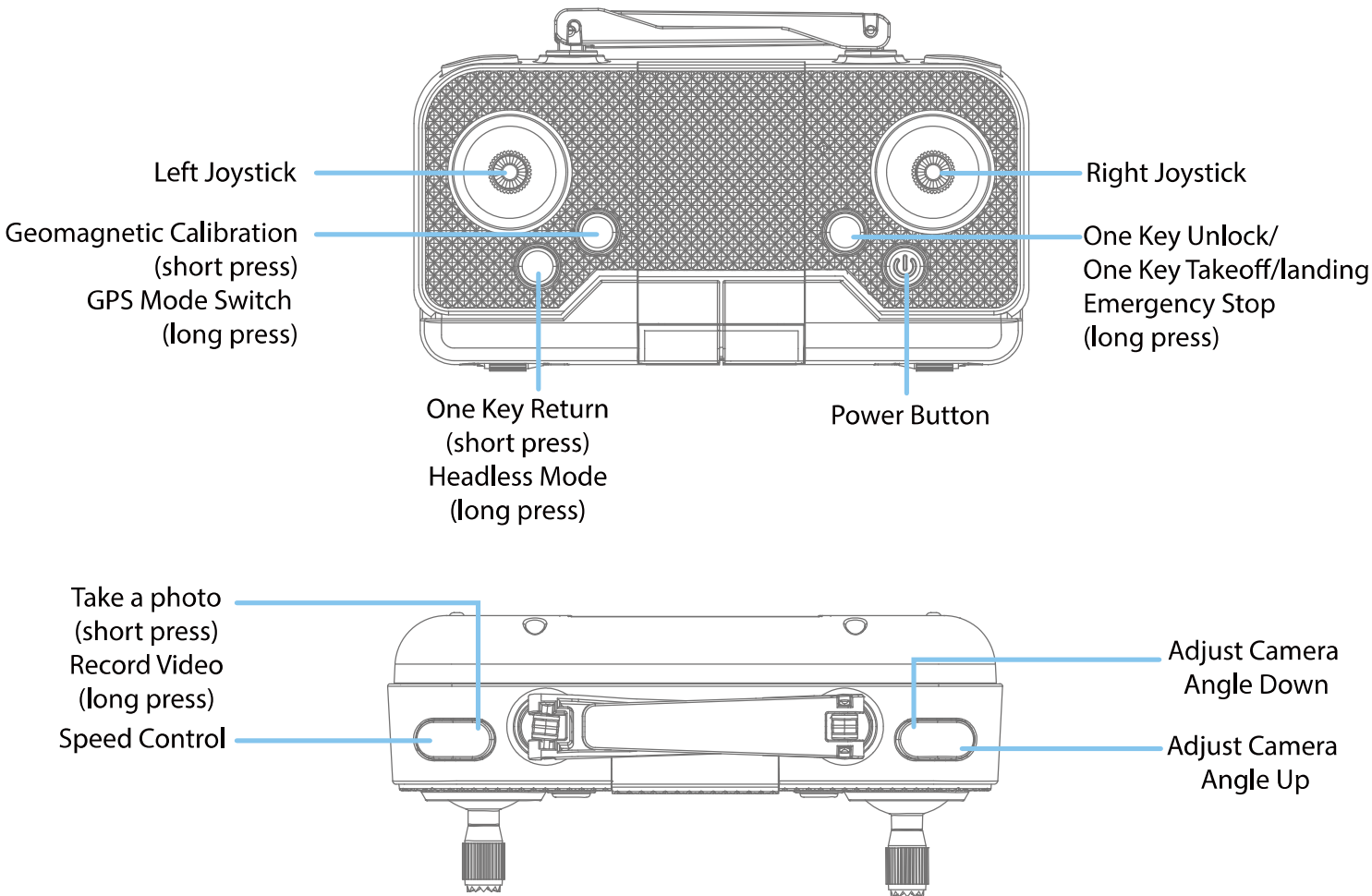


Battery AA x3

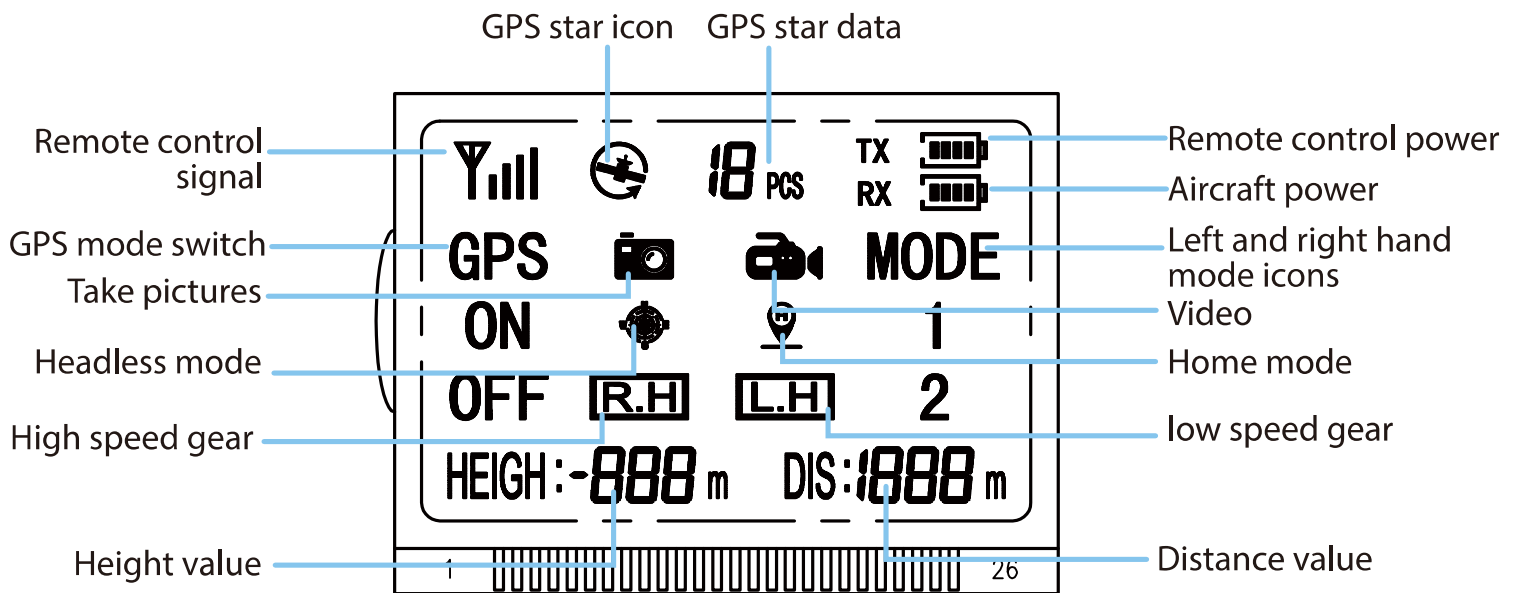
Drone Description



Remote Description



Remote Screen Description

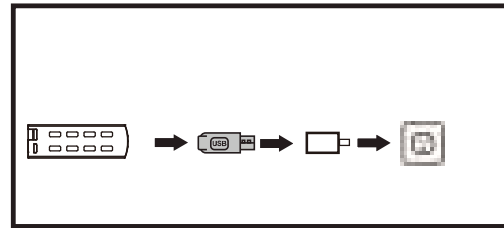
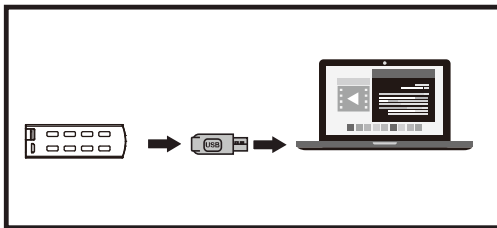
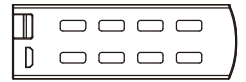
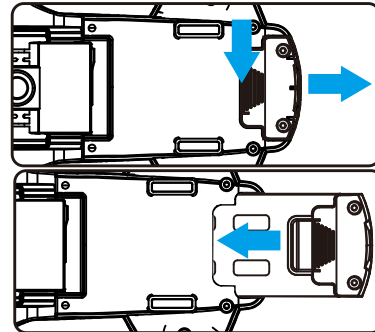


Functions

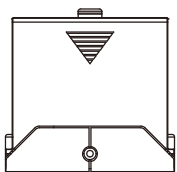
Power Indicator	When the remote blinks intermittently, it indicates the need for synchronization with the drone. Once synchronized, the remote will blink at a faster rate.
Power Button	Press to power on or power off the remote.
One Key Take-off / Landing	Press to take off or land the drone.
Headless Mode / One Key Return	Press to use one key return, press and hold for headless mode.
Left Joy Stick	Moves your drone up and down, or turns the drone to the left or right.
Right Joy Stick	Moves your drone forward & backwards, or shifts the drone to the left or right.
Speed Control	Adjust how fast the drone accelerates in response to the movement of the joy sticks.
Calibration	Short press to enter Geomagnetic calibration, and long press to use GPS mode switch (indoor/outdoor)

Charging Your Drone's Battery

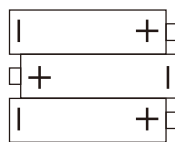
Use the indentation to grip the battery and slide it out of the battery compartment.



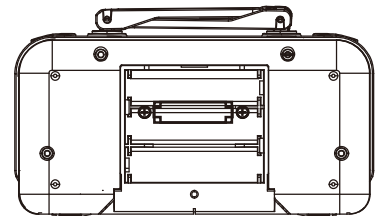
Remote Battery Installation



Slide out the remote controller's battery cover



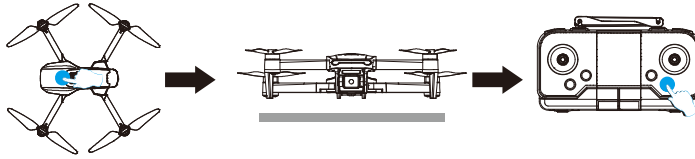
Align 3 "AA" batteries in the correct orientation



Insert the batteries into the remote and place the cover back on

Flying Your Drone

Drone Pairing: Turn on the power of the drone and the remote controller. When the remote controller makes a beep and the drone LED flashes, the drone has entered into the frequency pairing state, the LED will stop flashing once paired.

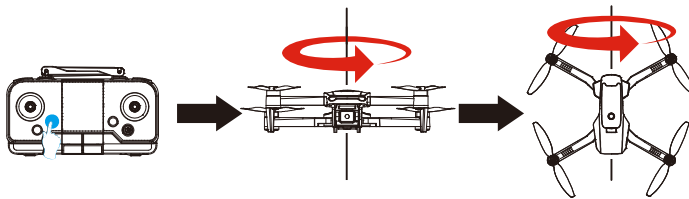


Gyro Calibration: After pairing the drone and controller, the drone needs to calibrate, long press the “gyro calibration” button for 3 seconds. The remote will beep and the LED of the drone will flash for 3 seconds once completed.



Geomagnetic Calibration: Press and hold the “geomagnetic calibration” button, the remote will beep and the drone LED’s will be off when in geomagnetic calibration mode.

1. Rotate the drone in a horizontal direction, the front LED will turn on and the remote will beep when successful.
2. After the horizontal calibration is completed, turn the drone upright and the rear LED will turn on and the remote will beep twice when completed.

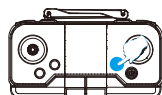


GPS Star Searching: After the gyro and geomagnetic calibrations are completed, the LED will flash, at this time place the drone on an open horizontal surface until the LED becomes steady, (this could take a few minutes), once completed, you can operate the drone.

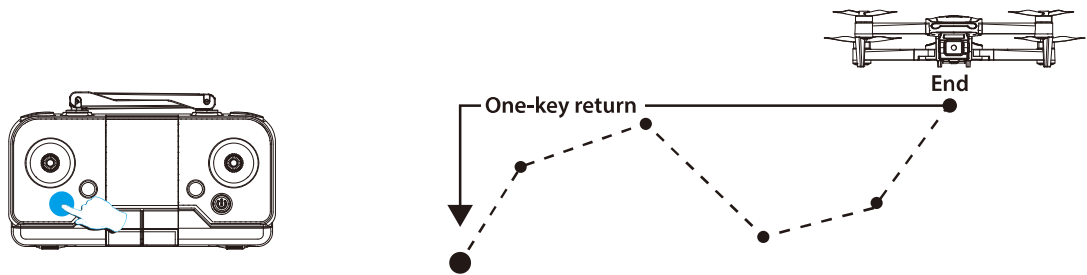
Drone Unlock: The drone needs to be unlocked before flying, press the “unlock” button on the remote, turn the left and right joysticks of the remote outward simultaneously and then let go. The four propellers will spin at the same time.



One Key Take-off & Landing: When the drone unlocking is finished, press the “One Key Take-off/landing” button on the remote, the drone will automatically begin to rise to a height of 6 1/2 Feet and will hover at this altitude, when you press the button again, it will land slowly on the ground.



One Key Return: During flight, press the “one key return” button to start the return, after starting the return, the drone will search and return directly to the take off point, you can cancel by pressing the button agaian.



Operation Methods

Ascend & Descend	When the left joystick (throttle) is pushed up, the main rotor speed increases and the drone rises. When the left joystick (throttle) is pushed down, the main rotor speed slows down and the drone descends.	
Forward & Backward	When the left joystick is pushed to the left, the nose of the drone will turn to the left. When it is pushed to the right and the nose of the drone will turn to the right.	
Turn	When the right joystick is pushed up, the drone advances forward. When the right joystick is pushed down, the drone will move back.	
Slide Left & Slide Right	When the right joystick is pushed to the right, the drone will fly inclined to the right. When the right joystick is pushed to the left, the drone will fly incline to the left.	

Troubleshooting

Problems	Reason	Solution
Drone indicator flashing while it does not respond to the operations	1. GPS star searching of drone has failed. 2. Drone battery is low.	1. Move drone to an open area and restart GPS start searching. 2. Charge the battery
Drone blades rotate but it cannot take off	1. Drone battery is low. 2. Blade deformation	1. Charge the battery 2. Replace the blade
Drone shakes badly	Blade deformation	Replace the blade
Fine tuning completed but drone still can't fly smoothly	1. Blade deformation 2. Motor failure	1. Replace the blade 2. Replace the motor
Starting drone again after an impact, the flying cannot be controlled	Triaxial acceleration sensor loses balance due to impact	Hold drone in place for 5-10s, or correct the gyroscope.

APP Instructions

1.Install the Mobile App

Scan the QR code below to download the app. Compatible with both iOS and Android.

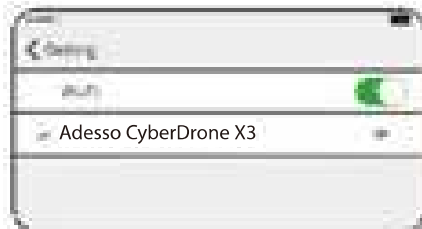


iOS/Android

2.Add the Drone

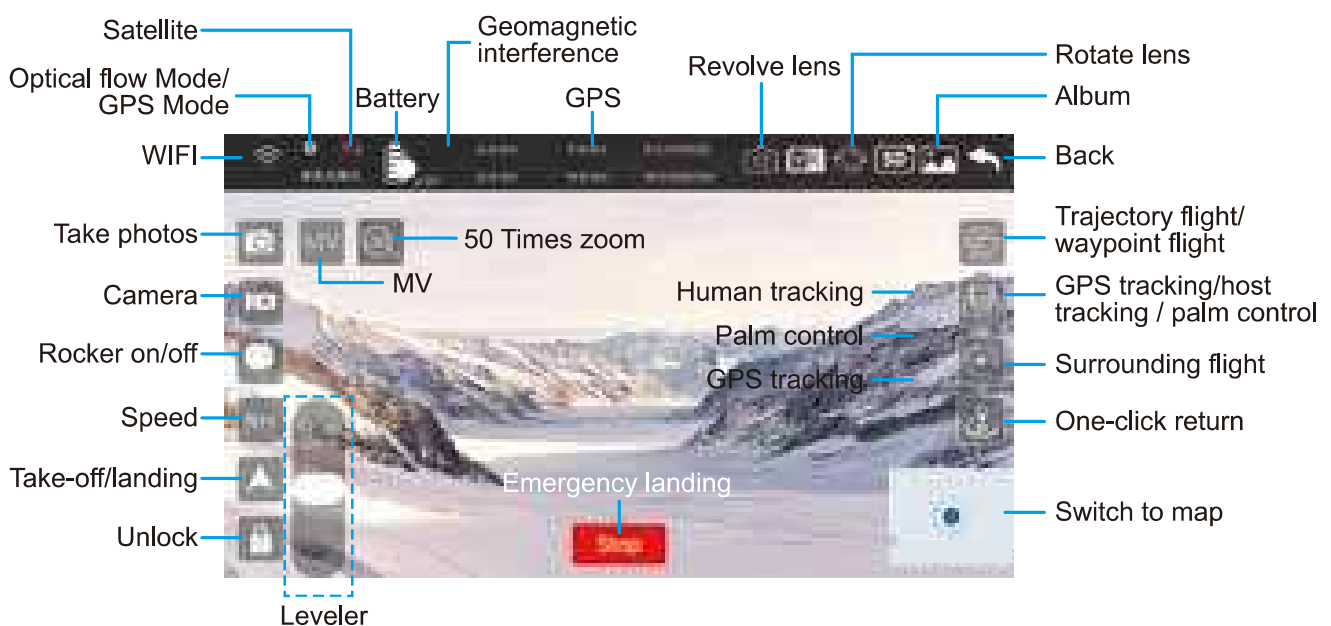
Power on the drone, then manually connect your mobile device to the WIFI hotspot named "Adesso CyberDrone X3" (no password required).

Launch the APP and tap the start icon to enter the real-time interface.

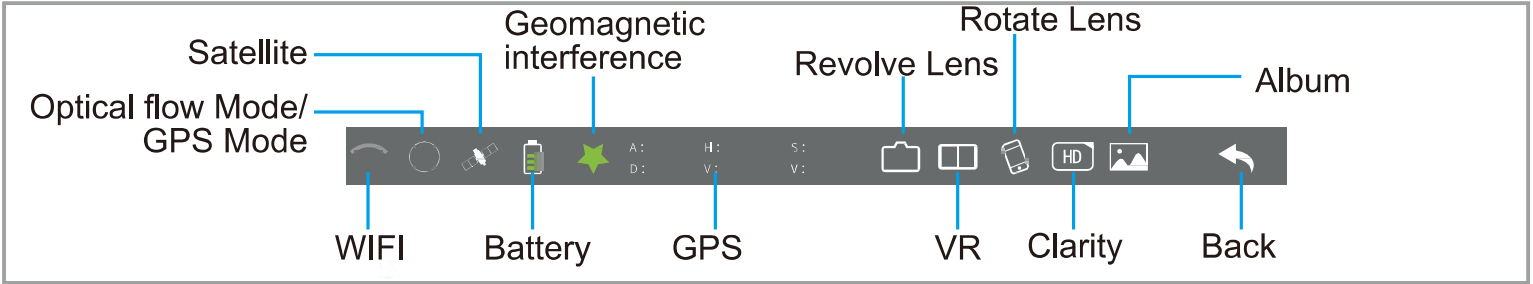


3.Operation Mode

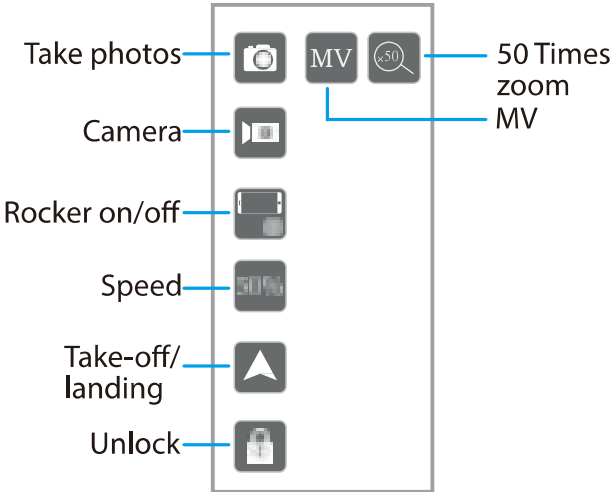
Note: When the drone is in the following conditions: Near water, night time, extreme heights, shiny surfaces, the optical flow from the lower lens may not function adequately for stable hovering, making it challenging for the drone to fly smoothly and causing the body to shake.



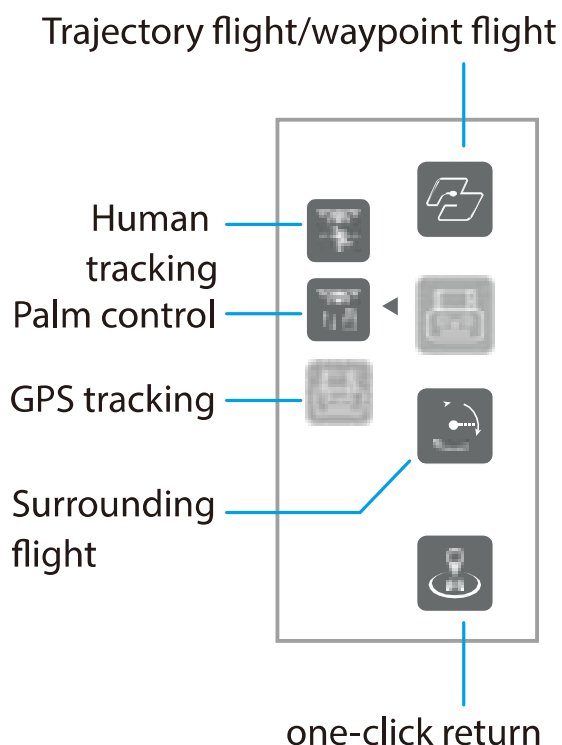
4.Function Description



- Wi-Fi:** Displays the signal strength chart.
- Satellite Signals:** Indicates the current flight mode and the number of satellites connected.
- Battery:** Shows the drone's battery status:
2-4 grids: Indicates sufficient power to perform returning, following, circling, and pointing flight functions in GPS mode.
1 grid (flashing): Indicates a low power state. In this state, the drone will automatically initiate course reversal. However, following, circling, and pointing flight functions are unavailable.
- GPS Signal:** Displays the height, distance, and corresponding longitude and latitude of the current drone from the reentry point.
- Revolve Lens:** Switch between the front lens and the downward lens.
- VR Mode:** Enter VR mode.
- Rotate Lens:** Record the relevant parameters for each flight.
- Clarity:** Switch the video resolution.
- Album:** View photos and videos.



- Take Photos:** Tap this button to capture photos using the current lens (front or downward).
- Camera:** Tap this button to record videos using the current lens (front or downward).
- Rocker On/Off:** Click to toggle between mobile phone control and remote control.
- Speed:** Displays the current speed mode (fast or slow). Tap to switch between fast and slow modes in mobile control mode.
- Unlock:** After unlocking, you can use a single key to take off or land the drone.
- Take-Off/Landing:** Once calibration is complete, place the drone on a flat surface and tap the unlock button to begin flight operations.
- MV:** Tap to access the MV interface.
- 50x Zoom:** Enable this feature to adjust the zoom level of the lens using the right slide bar. After zooming in, swipe on the screen to navigate the enlarged view.



Waypoint Flight: In GPS mode, the drone will follow the path set by the selected locations on the map.

Trajectory Flight: In optical flow mode, the drone will fly along the designated positions.

Human Tracking: In optical flow mode, click the button to enable the drone to follow the target person. (Refer to the next page for details)

Palm Control: In optical flow mode, click the button to make the drone follow the movement of your palm up and down. (Refer to the next page for details)

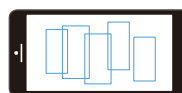
GPS Tracking: In GPS mode, click this button to enable the drone to follow your phone.

Surrounding Flight: In GPS mode, the drone will fly in a clockwise or counterclockwise circle with its current position as the center. During the flight, you can control the altitude (rise and fall) and direction (forward and reverse) to make adjustments.

One-Click Return: In GPS mode, click the button to initiate a one-click return to the takeoff point.

5.Function

Human Tracking

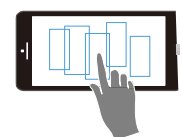


1.Blue candidate boxes for the target person will appear on the screen.

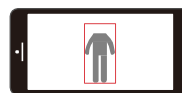
2.Tap your finger on the screen to select the target character.

3.Once the target person is locked, the blue box will turn red.

Ensure the red box and the target character remain centered on the screen.



4.The tracking flight will begin when the drone is approximately 2 meters away from the target. If the target is lost, tap on the target character again to reselect. (For the best experience, the red frame should be over 80% of the person).



Leveler



After the drone takes off,the leveler will be displayed on the left side of the screen. At this time,if you move the slider upward,the front lens of the drone will move upward by a certain angle;if you move the slider down,the front lens of the drone will move downward by a certain angle.

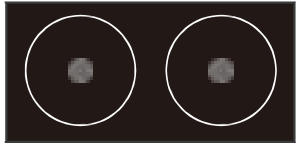


Palm Control



(1) Hold the drone horizontally with one hand, facing the camera.

(2) When your palm is within the red square frame on the app, gently move your hand.

(3) The drone will then follow the movement of your palm, flying upward or downward.



Joystick: The left joystick controls the drone's upward and downward movement, as well as its left and right turns. The right joystick controls the forward and backward movement of the drone, and can also move it left and right.

After tapping the  icon in the upper left corner of the control page, you will enter the album interface. When you select a photo or video to view, you can share it to major social platforms by tapping the share  icon in the top right corner.



Gesture Recognition: When facing the front lens of the camera, the following gestures can activate the drone's automatic camera or video function:

Take Photos by Gesture: Position your hand about 2 meters in front of the drone's camera and hold your hand flat. Once the drone successfully recognizes the gesture, a 3-second countdown will begin, and the photo will be taken.



Shoot Videos by Palm Gestures: Position your hand about 2 meters in front of the drone's lens, making the "OK" gesture. Once the drone successfully recognizes the gesture, the video recording will begin. To stop the recording, make the gesture again. (Note: There should be a time gap of more than 3 seconds between two recognitions.)

To ensure the lens achieves a higher recognition rate:

Aim the lens directly at the target.

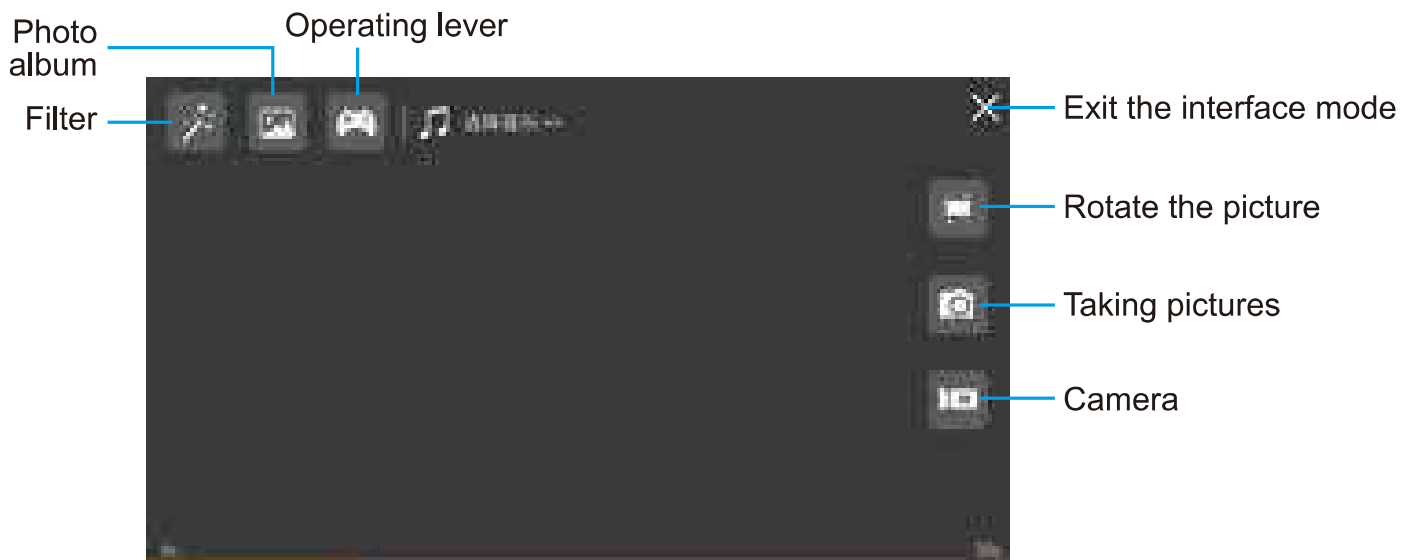
Fly in a well-lit environment.

Perform gesture recognition approximately 2 meters away from the lens. The following conditions may result in a lower recognition rate:

Weak lighting or backlighting.

Weak or disrupted Wi-Fi signals.

6.Interface



Rotating Picture: Tap this button to activate the Rotate Screen feature. Once enabled, swipe your finger on the screen to rotate the image. Double-tapping anywhere on the screen will instantly zoom in on the image.

FCC Warning

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.

Any Changes or modifications 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 device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.