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CyberDrone X4

Drone with 4K FVP Camera, 5G,
GPS, and WIFI

Quick**Guide**
English

Limited Warranty

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

During this period, Adesso will repair or replace any product which proves to be defecfive. However, Adesso will not waranty any product which has been subject to improperfreight handling. shipping abuse, neglect, improper inslallation or unauthorized repair.The warranty will not cover products installed with components not approved by Adessoand 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 nocharge to you provided you return it during the warranty period with freight chargespre-paid to Adesso. Before retuming any product, you must obtain a Return MVerchan-dise Authorization number (RMA). This RMA # must be cleary marked on the ouisideof the package you are returning for waranty service. Be certain to also include yourname, shipping address (no PO Boxes), telephone number, and a copy of the invoiceshowing 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 CyberDrone X4 is a lightweight and portable drone equipped with a 4k FPV camera and a gimbal for stable, high-quality video and photo capture. It offers dual control options via a 2.4GHz remote controller or a mobile app, giving users flexible ways to pilot the drone. With a 300-meter control range, it provides a reliable and responsive flying experience, making it ideal for capturing aerial footage or enjoying scenic flights.

Specifications

Playing Time:	22 Minutes
Battery For Drone:	7.4V 1300mAh
Battery For Remote:	3.7V 1200mAh
Charging Time:	200 Minutes
Control Distance:	1640 ft / 500m
View Angle:	115°
Max Speed:	13.5 Mph / 8 Kmh
Sensor Resolution:	2K
Interpolated Resolution:	4K
FPS:	15 FPS @4K, 20 FPS @2K
Function:	Altitude hold, one key take off/landing, waypoint navigation, app control, orbit mode, auto return when low battery, one key return, 3D flip, camera control, GPS, WIFI
Dimensions:	11.4 x 11 x 2.25" (289x279x57mm)
Weight:	0.50 lbs (226g)

Requirements

• Must have an open area to operate the drone

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 MINUCIPAL 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.

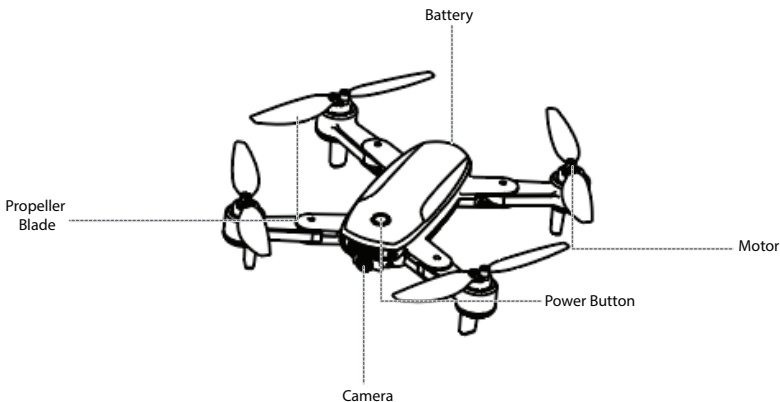# Package Contents

CyberDrone X4

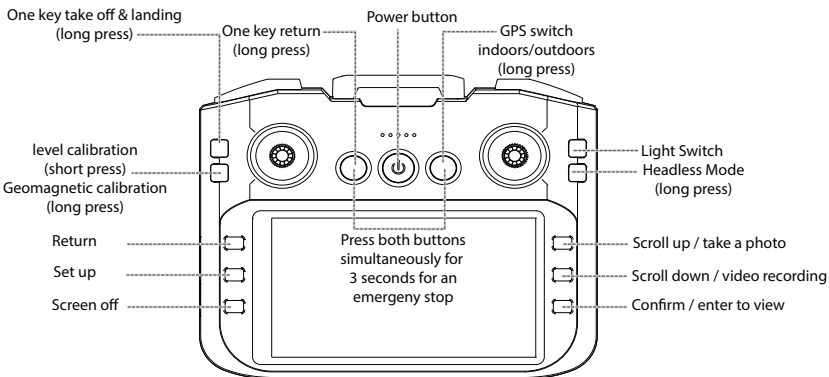Remote Control
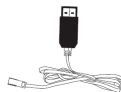
Charging Cable

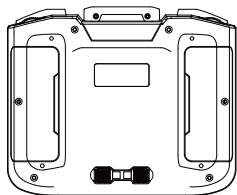Screw Driver

Li-Polymer Battery
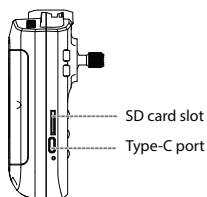
Replacement Propeller Blades

Drone Description

Battery

Propeller Blade

Motor

Power Button

Camera

Remote Description

One key take off & landing (long press)

One key return (long press)

Power button

GPS switch indoors/outdoors (long press)

level calibration (short press)
Geomagnetic calibration (long press)

Light Switch

Headless Mode (long press)

Return

Set up

Screen off

Press both buttons simultaneously for 3 seconds for an emergeny stop

Scroll up / take a photo

Scroll down / video recording

Confirm / enter to view

Remote Description Cont.

Speed control

Camera servo adjustment

SD card slot

Type-C port

Operation Controls

Ascend

Turn right

Rotate left

Forward

Turn left

Rotate right

Descend

Backward

Functions

|	
Power Button	Press to power on or power off the remote.
Headless Mode	Press and hold for 2-3 seconds to enter headless mode and press and hold for 2-3 seconds to exit headless mode
One Key Take-off / Landing	Press to take off or land the drone.
One Key Return	Press to have the drone return automatically to it's last saved location.
GPS Switch	Press to change from indoor mode or outdoor mode.
Speed Control	Adjust how fast the drone accelerates in response to the movement of the joy sticks.
Camera Servo Adjustment	Adjust the camera position.
Scroll up/ take a photo	Scroll up in the menu or take a photo while operating the drone.
Scroll down/ record video	Scroll down in the menu or start recording a video while operating the drone
Confirm	Stabilizes the drone if it is moving or tilting forwards.
Set Up	Stabilizes the drone if it is moving or tilting forwards.
Screen Off	Turn off the screen on the remote control.
Return	Return to the previous menu selection.

Drone Battery Charging

Use the indentation to grip the battery and slide it out of the battery compartment.
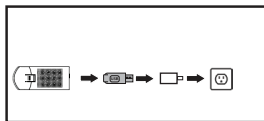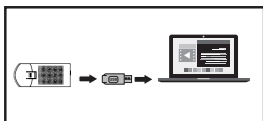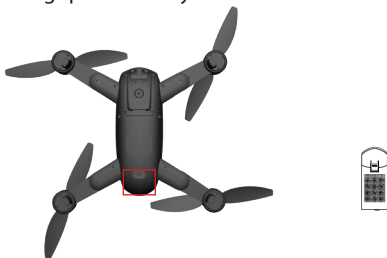
Connect the battery to the included USB cable, Then plug the USB cable into a USB charging adapter or a USB port (for best results, use a 5V, 1-2A adapter).

While charging, an LED light on the battery will illuminate and will turn off when charging is complete. Charging typically takes 3 1/2 hours.

Remote Battery Charging
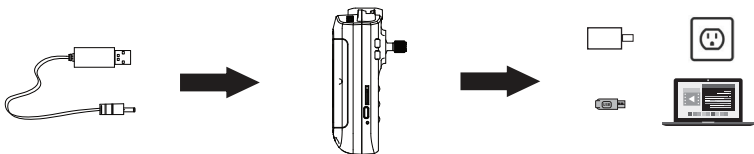
Use the provided USB-A to USB-C cable to plug into the remote

Plug the cable into the remote's USB-C port

Plug in the USB-A side of the cable into a power adapter connected to a wall outlet
or
USB port on a computer/laptop

Flight Operation Instructions

1.Turn on the drone and place it on a flat, level surface. The drone will automatically enter its auto-trim mode. During this process, the LED at the front will illuminate, and the rear LED will shift from flashing rapidly to flashing slowly.

2.Turn on the remote controller, and it will automatically synchronize with the drone. The front and rear LEDs will remain steady.

3.The method described above are for indoor use only. In outdoor mode, after powering on the drone, the LED at the front and the LED at the rear will flash quickly, indicating the drone is in standby mode. Once the remote controller is turned on and synchronized with the drone, the front indicator LED will remain steady, and the rear LED will change from flashing to solid.
For outdoor operation, you must activate GPS mode using the button on the left side of the remote control. The drone will automatically search for GPS signals. After a few minutes, once the GPS signal is successfully acquired, the rear red light will turn blue.

APP:
Activate the Wi-Fi function on your mobile device, select "CyberDrone X4" from the available Wi-Fi list, and launch the app.

Indoor Mode:
Before each flight, the drone's compass must be calibrated. Press the GPS button on the remote control to initiate calibration. Pick up the drone and rotate it horizontally four or five times. The front white light will flash quickly, and the rear LED will remain solid. Next, rotate the drone vertically (with the camera facing upward) for three or four rotations.
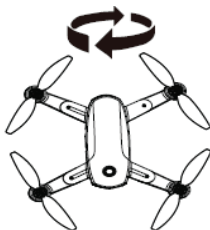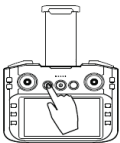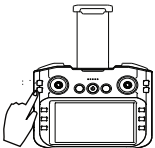
Outdoor Mode:

Before each flight, the drone's compass must be calibrated. Press the GPS button on the remote control to begin calibration. Pick up the drone and rotate it horizontally four or five times. The front white light will flash quickly, and the rear LED will remain solid. Then, rotate the drone vertically (with the camera facing upward) three or four times. Once the rear light changes to red and both the LED's stay steady, the compass calibration is complete. Next, calibrate the gyroscope by tapping the unlock button. The drone's lights will flash quickly a few times and then remain steady, indicating successful gyroscope calibration.

GPS Automatic Satellite Search:

Place the drone on a wide, open, and level outdoor surface, away from tall buildings or obstructions. The rear indicators will initially appear red and will change to blue once the GPS satellite search is successful. This process may take a few minutes. Verify the status on the app: the satellite signal should indicate more than 14 satellites. When all the drone's indicators are steady—blue at the rear and white at the front—the GPS calibration is complete, and the drone is ready to fly.

Flight Controls

One key take off /land	Press the one key take off/return button to perform take off or landing automatically.	
Emergency stop	Press the return button and GPS switch button simultaneously for 3 seconds to activate the emergency stop function.	
Return to home	The RTH function allows the drone to return to its last recorded TAKEOFF point. To switch to indoor mode, long-press the GPS switch button. There are three types of RTH: Smart RTH, Low-Battery RTH, and Failsafe RTH.	
Calibrate gyroscope / compass	Short press the calibration button to calibrate the gyroscope of the drone. Long press the calibration button to calibrate the compass of the drone.	

Smart RTH: Activate Smart RTH by pressing the Return-to-Home button on the transmitter or tapping the RTH option in the mobile app. The drone will return to hover above the TAKEOFF point and then land. To cancel the RTH procedure, press the button again or tap the app option. If needed, pull the throttle down to land the drone in a safe location manually.

Low-Battery RTH: Low-Battery RTH is automatically triggered when the flight battery reaches a critically low level. When activated, the drone will fly back to approximately 20 meters away from the operator, allowing manual control. Land the drone safely by pulling the throttle down. If the battery becomes fully depleted, the drone will automatically return to the TAKEOFF point.

Tip: When the battery is below 26% or in low-voltage status, keep the drone within a 20-meter range to avoid loss of control or potential crashes.

Failsafe RTH: Failsafe RTH is triggered when the drone loses its connection to the transmitter. In this mode, the drone will automatically return to hover approximately 20 meters away from the operator and attempt to reconnect with the transmitter. Once reconnected, the operator can regain manual control of the drone.

Ensure the flight path is clear during the RTH process.

AltHold Mode (Altitude Hold Mode): Use AltHold Mode for indoor flights

1.Activate AltHold Mode

Turn off GPS by switching the GPS button on the transmitter to the "OFF" position.

The drone's rear indicator light will change from blue to purple.

2.Flight Control

Use the left throttle joystick to control the drone's up/down motion.

Use the right directional joystick to control forward/backward and left/right movements.

Propeller Blade Installation

To replace the propeller blades, use a screwdriver to twist the screw counterclockwise and remove it. Position the new propeller blade according to the illustration below. Then, twist the screw clockwise to secure the propeller blade in place.
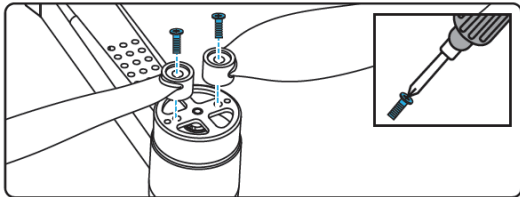
App Instructions

WIFI Connection

Scan the provided QR codes down below according to your phone's Operating System and install the control app, "RX Drone"
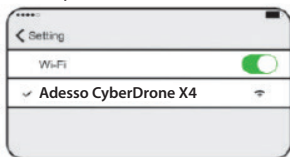

**IOS**

Android

Enter the Operation Interface

1.Power on the drone by pressing the power button on the drone, the LED's will begin flashing.

2. Once the LED's start flashing, go to your smart phone's settings and select the app-priate WIFI network (Adesso CyberDrone X4) as show below.
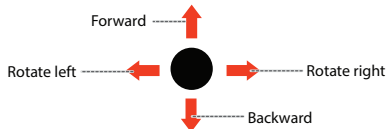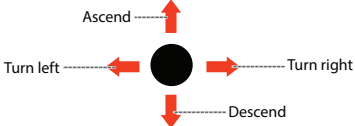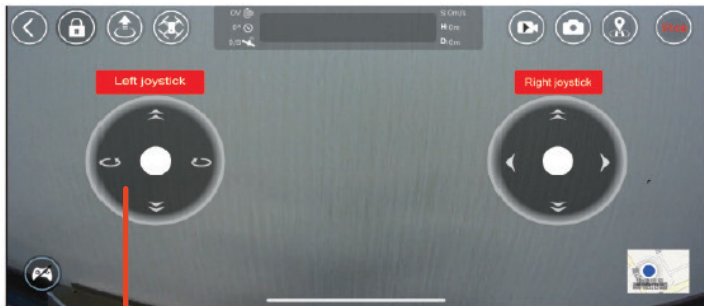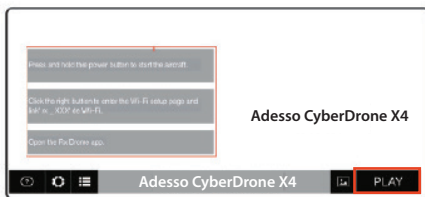

3.Locate the "Adesso CyberDrone X4" model in the app and tap "connect device" to access the operation interface.
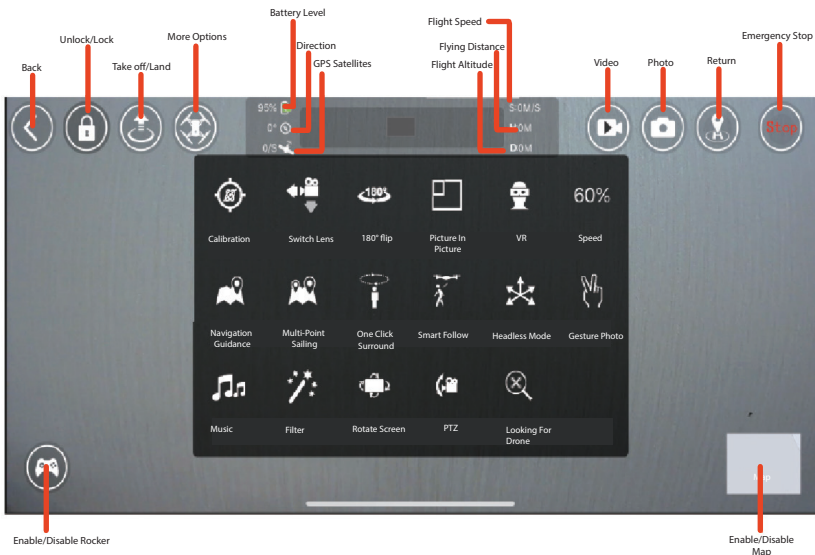

--14--
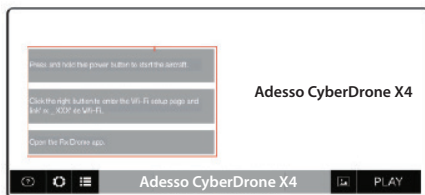
Enter the Operation Interface

Tap the "Play" button on the bottom right to enter the operation interface.

Adesso CyberDrone X4

Left joystick

Right joystick

Ascend

Turn left — Turn right

Descend

Forward

Rotate left — Rotate right

Backward

App Interface

Back

Unlock/Lock

Take off/Land

More Options

Battery Level

Direction

GPS Satellites

Flight Speed

Flying Distance

Flight Altitude

Video

Photo

Return

Emergency Stop

95%

0°

0/S

5:0M/S

40M

D:0M

Stop

Calibration	Switch Lens	180° flip	Picture In Picture	VR	60% Speed
Navigation Guidance	Multi-Point Sailing	One Click Surround	Smart Follow	Headless Mode	Gesture Photo
Music	Filter	Rotate Screen	PTZ	Looking For Drone	

Enable/Disable Rocker

Enable/Disable Map

FCC Compliant Statement

Changes or modifications not expressly approved by the responsible party for compliance may void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Its operation is subject to the following two conditions:

This device must not cause harmful interference. This device must accept any interference received, including interference that may cause undesired operation. This equipment has been tested and found to comply with the limits for a Class B digital device, as specified in Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in residential settings. This equipment generates, uses, and can emit radio frequency energy, and if not installed and used according to 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 identified by turning the equipment off and on, the user is encouraged to try one or more of the following steps to resolve the interference:

Reorient or relocate the receiving antenna.
Increase the distance between the equipment and the
receiver. Connect the equipment to an outlet on a circuit
different from the one to which the receiver is connected.
Consult the dealer or an experienced radio/TV technician for
assistance.