



CyberDrone X1

Drone with Camera and Remote Controller



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 X1 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 X1 provides reliable performance and responsive handling, making it an ideal choice for those new to drone flying.

Specifications

- Playing Time: 6 Minutes
- Battery For Drone: 3.7V/300mAh
- Battery For Remote: AA *4 pcs
- Charging Time: 60 Minutes
- Control Distance: 262ft / 80m
- View Angle: 65°
- Max Speed: 13 Mph / 8 Kmh
- Resolution: 720P
- FPS: 25 FPS @ 480P, 25 FPS @ 720P
- Function: Altitude hold, Headless mode, 3D flip, Speed selection, One key return
- Dimensions: 11.4 x 11 x 3.23" (290x280x82mm)
- Weight: 0.19 lbs (90g)

Requirements

- Must have an open area to operate the drone
- AA *4 pcs 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.

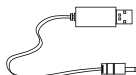
Package Contents



CyberDrone X1



Remote Control



Charging Cable



Screws and
Screw Driver



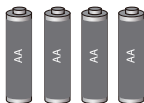
Li-Polymer
Battery



Replacement
Propeller Blades

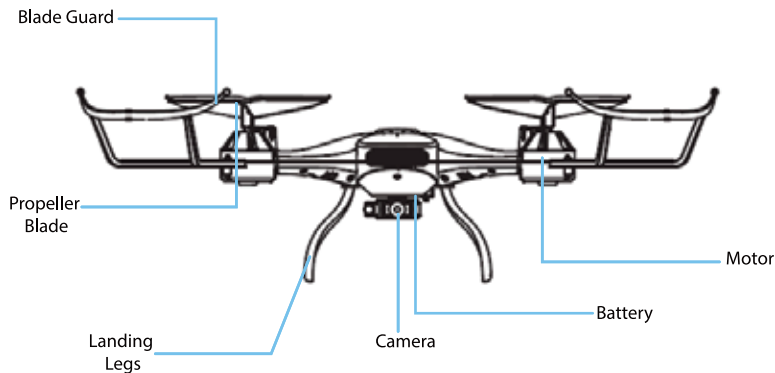


Landing Legs

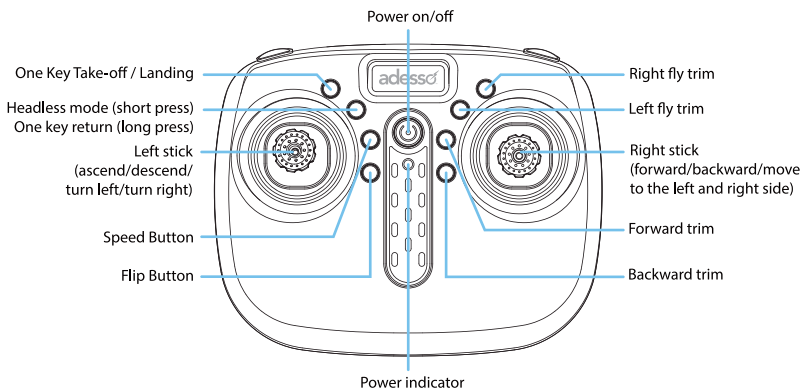


Battery AA x4

Drone Description



Remote Description



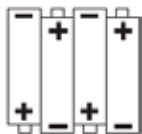
Functions

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 drone.
One Key Take-off / Landing	Press to take off or land the drone.
Headless Mode / One Key Return	Press to enter headless mode, press and hold for one key return.
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.
Flip Button	Press to perform 3D flips and rolls.
Right Fly Trim	Stabilizes the drone if it is turning to the right.
Left Fly Trim	Stabilizes the drone if it is turning to the left.
Forward Trim	Stabilizes the drone if it is moving or tilting forwards.
Backward Trim	Stabilizes the drone if it is moving or tilting backwards.

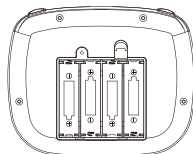
Remote Battery Installation



Use a screw driver to remove the screw and remove the remote battery cover



Align 4 "AA" batteries in the correct orientation



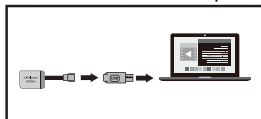
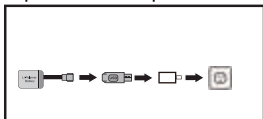
Insert the batteries into the remote and place the cover back on and use a screw driver to secure the screw into place

Charging Your Drone's Battery

Open the drone's battery compartment with a screw driver to remove the screw and remove the battery.



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).

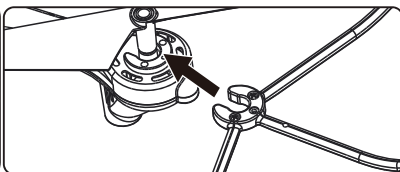
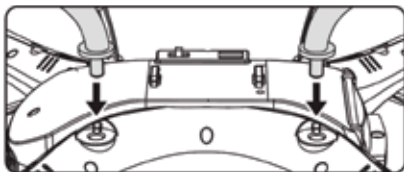


While charging, an LED light on the battery will illuminate and will turn off when charging is complete. Charging typically takes 60-80 minutes.

Installing Landing Legs/Landing Guards

Attach the included landing legs to the bottom of your drone. Locate the sockets on the underside of the drone and insert the landing legs as illustrated below.

To install or remove the protective rings around the rotors, align each ring and press it down in the direction indicated in the bottom-right image. Then, secure each ring with screws. Install or remove all four protective rings as a set. Do not operate the drone with only one, two, or three protective rings installed—ensure either all four are installed or none at all.

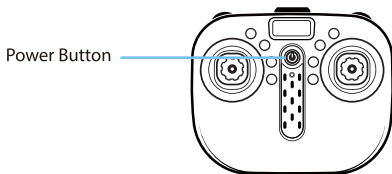


Calibrating Your Drone

To power on your drone, ensure the battery is fully charged and properly inserted. Once both the drone and remote control are powered on, follow the calibration steps below to prepare the drone for flight.

Calibrating Your Drone with Your Remote Controller

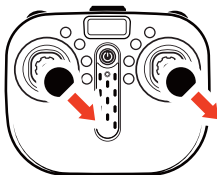
Turn on the remote control's power switch. The drone's body light will illuminate once the remote control successfully pairs with it.



Important Note: Follow the frequency alignment steps carefully to avoid connection or control issues.

Troubleshooting: Drone Calibration

If your drone is not responding correctly to commands from the remote control, it may require recalibration. To recalibrate, simultaneously push both the left and right control sticks downward and to the right for a few seconds. The drone's lights will start flashing. Keep holding the control sticks until the flashing lights turn solid.



Move both joystick's
to its lower-right position

Flying Your Drone

Pre-Flight Preparation

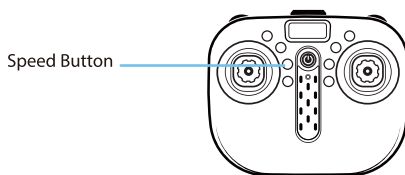
If you are new to drones or lack experience as a pilot, carefully read these instructions before attempting to fly. Familiarize yourself with all the controls, and if needed, review the instructions multiple times. Practice operating the remote control until you feel fully confident and prepared.

Place the drone in a clear, open area, ensuring it rests on a stable, flat surface. Practice using the throttle stick and directional control stick as described below. Simulate operating the remote control and both sticks to become comfortable with the natural movements required during flight. This practice will help you respond more quickly to unexpected situations.

Ascend & Descend	Push the throttle stick upward to make the drone ascend. Pull the throttle stick downward to make the drone descend.	
Forward & Backward	Push the directional control stick upward to tilt the drone downward, making it move forward. Push the directional control stick downward to tilt the drone upward, making it move backward.	
Turn	Move the throttle stick to the left to rotate the drone's nose to the left. Move the throttle stick to the right to rotate the drone's nose to the right.	
Slide Left & Slide Right	Move the directional control stick to the left to slide the drone's entire body to the left. Move the directional control stick to the right to slide the drone's entire body to the right.	

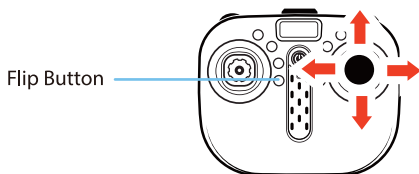
Speed Adjustment

Your drone offers three speed settings: Low, Medium, and High. To adjust the flight speed, press the Speed button located on the left side of the remote control.



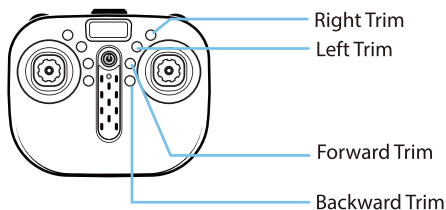
360° Flips

While flying, set the speed to high, then press the 360° Flip button to perform exciting flips with your drone.



Adjusting the Trim

Press the trim buttons to make small adjustments to the drone's tilt. Adjust the trim as needed to correct the drone's orientation and keep it level.



One Key Return

Once your drone is unlocked, press and hold the One Key Return button for about 3-5 seconds, and the drone will gradually return to the ground.

One Key Return
(press & hold for 3-5 seconds)



Headless Mode

Headless mode lets you fly your drone without concerning yourself with its orientation. No matter which direction the drone is facing, this feature ensures the drone will always respond to the controls from your perspective.

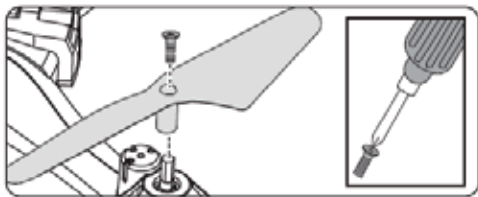
To activate Headless mode, stand in front of your drone before takeoff and press the Headless mode button on your remote control.

Headless Mode
(press)



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

1.Install the Mobile App

Scan the QR code below to download the app according to your Operating System.



IOS



Android

2.Add the Drone

Power on the drone, then manually connect your mobile device to the WIFI hotspot named "Adesso CyberDrone X1" (no password required). Press Start on the App to begin using the drone.



3.Operation Mode

Access the operation interface to explore the functions of each button, as shown in the below figure.



4.Main Interface

The main interface includes options such as take a photo, record video, flip camera, gesture, filter, stored footage/pictures as shown in the below figure.



5.Gesture Recognition

Activate the gesture recognition via the playback interface.

Gesture Photo: Stand approximately 6 1/2 feet in front of the drone's camera. Raise one hand (palm facing forward) flat at your side. After recognizing the gesture, the drone will initiate a 3 second countdown and then take a photo (you can lower your arm afterwards). Refer to Figures 4 and 5. (Note: a time interval of at least 3 seconds is required between consecutive gestures).



Fig. 4 (correct)



Fig. 5 (Not correct)



Fig. 6 (correct)



Fig. 7 (Not correct)

Gesture Video: Stand approximately 6 1/2 feet in front of the drone's camera. Clench your fist (palm facing forward) and hold it flat at your side. The drone will recognize the gesture and begin recording after a 3 second countdown (you can lower your arm afterward). To stop the video, repeat the first gesture. Refer to figures 6 and 7. (Note: Palm detection is disabled during video recording).

6.Music Recording

Tap the music icon to access the music library. Select background music and click Use to return to the control interface, where the music will play during recordings.

7.Manual Focusing

Press and hold the trackball on the far left of the control interface, then slide to adjust the image focal length (1x-50x digital magnification):

1x: Default image size with focus adjustment off.

50x: Maximum focal length with 50x zoom.

During video recording, adjust the focus manually by sliding the trackball up or down.

8. Special Effects and Filters

To apply filters:

Tap the filter icon on the control interface to access the filter menu.

Choose from a variety of filter options.

Tap the exit icon again to exit the filter menu and return to the main interface.

Note: Only one mobile app can connect to the drone at a time!

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.

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