Quadcopter Drone Maker Kit

Guide

The size, capabilities, and ease-of-use of the Attop XT-1 Quadcopter Drone make it great for beginners. Operate it with the included controller, or download the free app and fly it with your smartphone. You can also use the controller & smartphone together. A built-in 720p camera allows you to take photos or videos of your flights. The drone gets about 7 minutes of flight time on a fully-charged battery, and we have included two.

Safety Notes

This drone is suitable for ages 14 and up, and for indoor or outdoor use. Be sure that your flying space is free of obstacles. Do not operate in rain/snow, high winds or around crowds, pets, power lines, or bodies of water. When folding/unfolding the drone, be sure to use the unlock switches at the base of each arm. DO NOT FORCE the rotor arms when folding/unfolding the drone. Do not leave batteries unattended while charging them.

Starting Out

You'll want to start by making sure at least one of the included batteries is fully charged. Plug the USB charging cable into a PC or other power source, and connect the battery. The battery is fully charged when the charger's red LED is on. Do not leave the battery unattended while charging.

While you are charging the drone battery, it would be a good time to install the free drone app from the App store / Google Play. Search for "**X-Pack AR**" or scan one of the QR codes below:

GET IT ON Google Play

Download on the App Store

Prepping the Drone

Unfold the drone by rotating the rotor arms out from the body. They should click into place. Place the drone on a flat surface. Power it on by pressing and holding the power button on top of the drone until its LEDs start flashing. Next steps depend on whether you are using the controller, the app, or both:

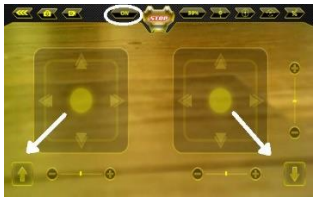
App

1. Go to the settings of mobile device and turn on wifi, choose the wifi signal of the drone (XT…) and connect to it. Press "Connect" in the app.

2. Press the app's "FLY" button to open the FPV (first person view) mode. Press the On/Off button to connect. Once properly connected, the LEDs on the drone will stop flashing and remain on.

3. If this is your first time connecting with this device, press the Calibration button to calibrate the drone.

4. Push the left control (throttle) diagonally down to the left, and the right control diagonally down to the right at the same time. This unlocks the drone's motor and starts spinning the rotors.



5. Press the Takeoff button (or move throttle control all the way up) to launch the drone into the air.

Controller

1. Power on the Controller. The red LED on the controller will flash. Push the left control (throttle) all the way up and then all the way down. After 2 seconds the LEDs on both controller and drone will stop flashing and remain steady.

2. Push the left control (throttle) diagonally down to the left, and the right control diagonally down to the right at the same time. This unlocks the drone's motor and starts spinning the rotors.

3. Press the Takeoff button (or move throttle control all the way up) to launch the drone into the air.

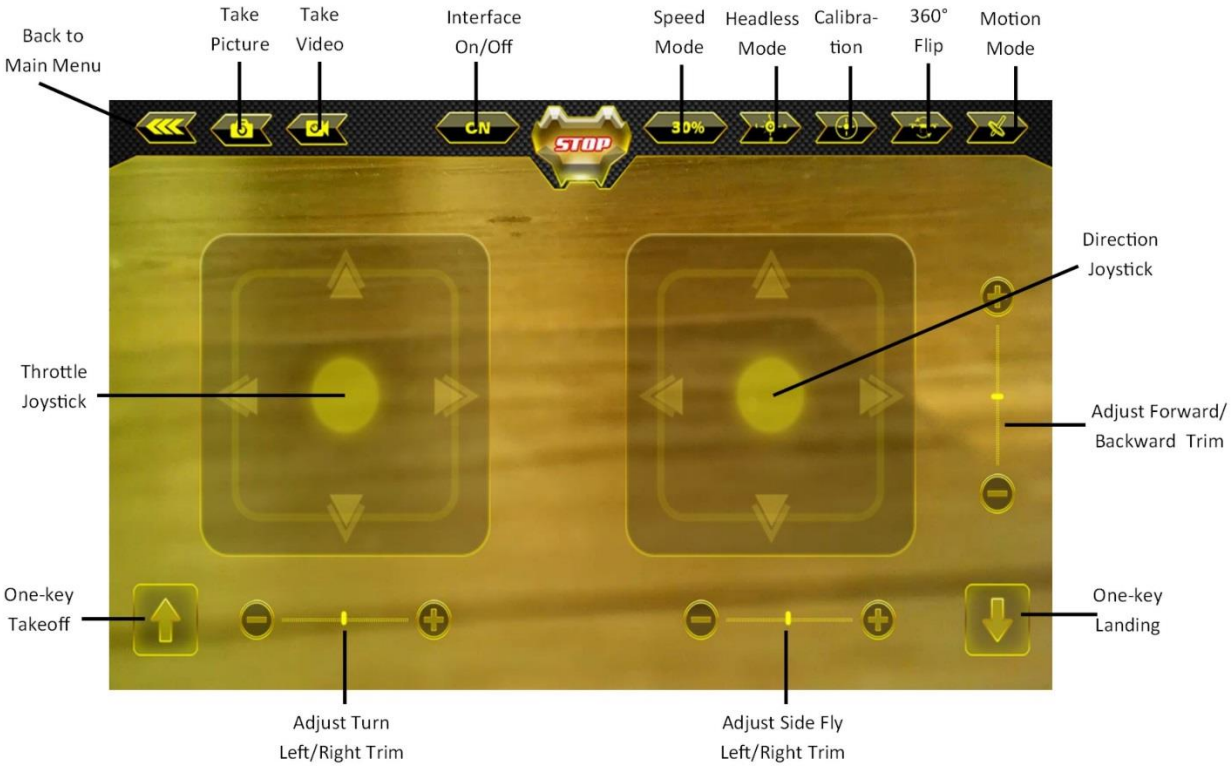
Both

If you are using both controller and app together (using your smartphone as viewer attached to the controller), you must connect the controller to the drone FIRST and then connect your phone to the drone's wifi.

Flying the Drone

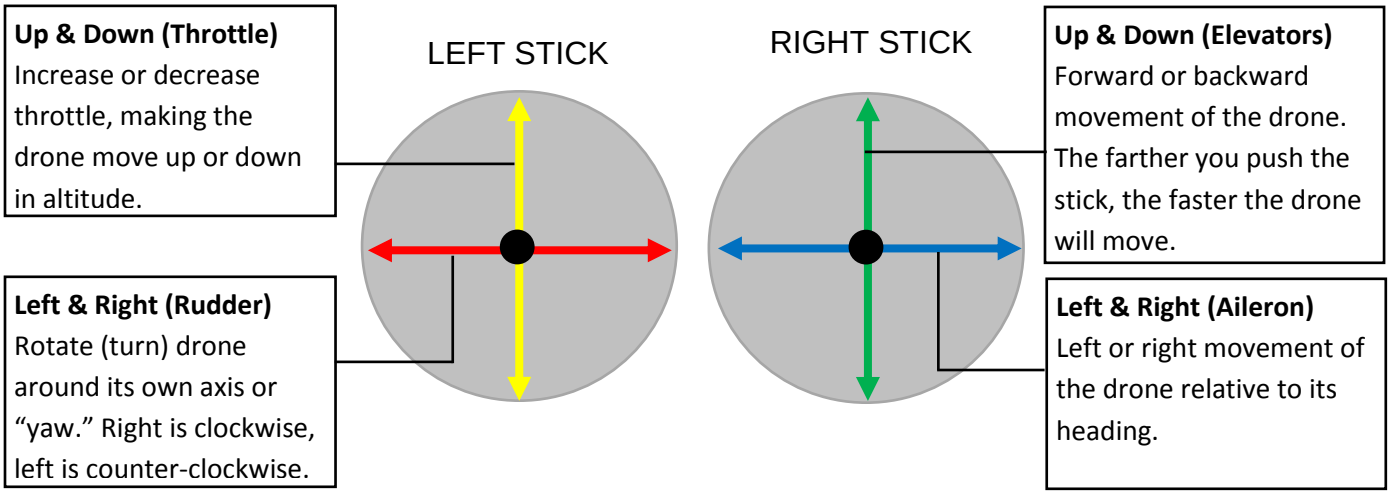
Start off by making low-level flights of short distances. Practice short hops – taking off from one spot and landing in another. This will help you get used to the various controls. As you become more comfortable with flying, gradually increase your flight altitudes and distances. Both the controller and app have Photo and Video buttons for recording your flights. Flying a six-axis gyro quadcopter can be a little confusing at first. We highly recommend the tutorials by Quadcopter Flight School at quadcopter101.blogspot.com.

CONTROLS



washingtoncenterville PUBLIC LIBRARY
www.wclibrary.info

Flying Control Basics



Troubleshooting

A low battery charge is the most common cause of problems. Be sure that you are using a fully-charged battery.

If the drone tends to drift a lot in one direction, use the trim adjustment buttons to correct. If this doesn't help, you may have a damaged rotor blade that needs to be replaced. We have included two spare rotor blades.

We have also included the OEM instructions for both the drone and the app. The written directions can be difficult to decipher at times due to poor translations, but the diagrams might be useful to you.

If you experience problems operating the drone, you may contact the Reference Desk at cvref@wcpl.lib.oh.us.

Feedback

We would love to hear how your experience was! Please complete this survey:

http://goo.gl/forms/CuU9efutyX

Also, feel free to share your experience with us on social media:

https://www.facebook.com/wclibrary.info

https://twitter.com/washcentlibrary