Crop Copter
Farm to Flight UAVs

Quick Reference Guide

Compass Calibration - It is important to perform a compass calibration every 5 flights.
1. Power up the radio (controller)
2. Power up the Crop Copter
3. Using the flight mode switch toggle between GPS and Attitude mode 5 times
4. The led indicator light will turn solid yellow
5. Pick up the Crop Copter (bottom side down) and spin it 360 degrees
6. The led indicator light will flash green
7. Point the front (camera end) of the Crop Copter down and spin it 360 degrees
8. The led indicator will flash green again and the Compass is calibrated

Binding - This pairs the Crop Copter to the radio (controller)
1. Leave the radio and Crop Copter off
2. Plug the bind plug into the BND/DAT slot in the receiver on the back of the copter
3. Power up the Crop Copter
4. Remove the bind plug
5. Press and hold the BIND button while powering up the radio
6. If successful the radio will say and read "Binding DSMX 11 m/s"

Flight Modes
    GPS Mode - fully stabilized and will hold its location
    Attitude Mode - fully stabilized but will drift

Charging the batteries - It is VERY important to NEVER completely deplete a Lithium Polymer battery. This can ruin the battery and make them prone to catching fire.
- Each battery size has a designated pigtail connector
- To select the proper charging amperage you will need to refer to the mAh number on the battery
- Divde the mAh by 1000
    - For example you would charge a 1000 mAh battery at 1.0 A
- NEVER charge a battery with more than the suggested amperage
- When charging each battery will need to be balanced
- Match the white connector on each battery to the matching port on the balancer

Battery Level - The battery level will be displayed by a voltage reading in the goggles
- A fully charged batttery is 16.8 volts
- The Crop Copter will self land at 13.6 volts
- Be aware of wind speed and distance when determining when to bring the copter back to land in a safe area

UAV Buyers Guide

1. What is the UAV's intended purpose?

2. Which platform is best for me?

3. How much flight time do I need?

4. How much am I willing to spend?

4. How important is service when I crash it?

5. How am I going to store, organize and manage all of the data?

6. Is there insurance available?

7. Require a test flight before purchasing.

8. If you don't understand ASK QUESTIONS!