

# Pre-flight Procedures

AgEagle RX60 MODEL AGERGBL915 - 8/24/16 RED 10/04/16

Follow this checklist for each and every flight

- Check Pitot tube for any obstructions (look down Pitot tube to see obstructions)
- Check the pitot tube for security and tubing is free from holes or pinched areas
- Pull servo control rods to ensure good connection to servo and elevon
- Ensure that the servos are securely attached
- Install camera, winglets, propeller and fully charged batteries
- Place aircraft on level surface on ground
- Turn on AgEagle with power plug (Do not move drone for 60 seconds)
- Turn on Camera and the Wi-Fi on the camera
- Listen for 6 beeps from the camera before the next step
- Turn on Taranis flight controller, place in manual mode with throttle down
- Press the pre-arm button on plane until the light glow continuously
- Arm the aircraft once you hear the 3 tone (happy tone) by holding the left stick on the Taranis to the bottom right side until a long tone is heard
- Press the pre-arm button to disarm until the light blinks
- Open the Botlink App and connect to the correct aircraft
- Clear the memory on the camera and the XRD from the app
- Set up mission plan in Botlink App
- Set the landing location clear of obstacles and the loiter area is downwind on the Botlink App
- Run the airspeed calibration on the Botlink app while cupping your hand over the Pitot tube. While doing so check again for holes in tubing or pinches.(Do not press your finger over the end of the Pitot tube!)
- Write the mission plan from Botlink App to the drone
- Place aircraft on launcher facing into the wind (Use caution not to drop or make sudden moves as the motor will engage if bumped)
- Press the pre-arm button to fully arm the plane (button turns solid red)
- Test elevons for correct movement with Taranis in manual mode and test the motor / propeller
- Swiftly move the mode switch on the Taranis to the AUTO MIDE = bottom position
- Check that elevons are BOTH UP. DO NOT LAUNCH IF BOTH ARE NOT UP!
- Hold the right stick of the Taranis to the bottom if winds are light
- Launch the aircraft
- Release the right stick when the drone launches



# Post-Flight Procedures

Follow these steps following each flight

- Disarm the drone by holding down on the “pre-arm” button until it begins blinking
- Leave drone on to allow the images to be transferred from the camera to the computer (Do not travel with the AgEagle on in the car)
- Turn off the Taranis radio and charge if necessary
- Monitor the progress of the image transfer from the app, once transferred:
  - Turn off the drone (unplug the power plug)
  - Turn off the camera and the camera WiFi
- Remove micro SD card from the XRD computer
- Upload the image sets to your flybotlink.com web portal for processing



Preparing for next flights

- Charge drone batteries
- Charge camera
- Charge Taranis
- Charge tablet device
- Prefetch background maps for next flight areas
- Have extra micro SD cards handy for next flights