

Pre-flight Checklist

Airframe

- Remove the aircraft from its case. Unfold the arms if applicable. Inspect the airframe for damage, fractures, and loose screws.
- Inspect the propellers for defects, chips, cracks, or stress fractures. Replace any damaged props.
- Ensure the propellers are securely mounted to the motors.

Battery

- Visually inspect the battery for defects, swelling and cracks in the case. If the battery is swollen, take it out of service and dispose of it safely.
- Make sure the battery has a sufficient charge for the mission. A short button press will reveal the charge level.
- Attach the battery to the airframe, making sure it is securely latched into place.

Camera

- Remove the plastic gimbal lock. Inspect the gimbal mount, make sure it is secure and moves freely.
- Check the SD memory card. Make sure it's clicked into place and that there is enough space on the card for your recordings.
- Check the camera lens for smudges and clean with a lens cloth if necessary.
- Attach and secure any filters if used.

Control Station

- Examine the remote controller. Check the control sticks to make sure they are tight. Move the multifunction switch to normal or "P" mode.
- Unfold the antennas.
- Check the power level to make sure there is sufficient charge to complete the mission.
- If you are using an external device such as a tablet or smart phone, check the power level and ensure you have installed any necessary software. Attach any required cables or connectors.

Power on

- Place the aircraft on a flat surface (preferably a landing pad), facing away from the pilot. Power on the aircraft.
- Power on the remote controller.
- Initialize the app, check connectivity between the aircraft and the remote controller.
- Once you have powered up, video and telemetry should be visible on the device. If video or telemetry is not visible, delay your flight until you can resolve the problem.
- Check the camera movement with the gimbal wheel on the top left of the remote. Test the camera by taking a photo and video.
- Adjust the exposure if necessary.

Take-off

- Wait for a GPS lock and the "Safe to fly" indicator to appear.
- Stand at least 8 feet behind the aircraft with the camera facing away from you.
- Pull the control sticks down and toward the center, then release to activate the motors. The propellers will begin to spin.
- Apply forward motion to the left stick (throttle) to take off.
- Hover at eye level to detect vibrations or problems. If all checks OK, proceed with the mission.

Calibrations (If prompted)

- Tap "Compass Calibration" in the app and follow the instructions. You should be clear from metal objects, or other possible sources of magnetic interference while calibrating. *Note: rebar under a concrete pad can cause magnetic interference.

Completed by: _____ Date: _____