

# Mavic Pre-flight Checklist

## Mavic Preflight Inspection

- Inspect the propellers for defects, chips, cracks or stress fractures. Discard any damaged props.
- Install props, lock in place
- Remove plastic gimbal lock
- Inspect gimbal mount, make sure the camera is secure
- Check the camera lens for smudges, wipe clean with a soft lens cloth if necessary.
- Check SD memory card, make sure it's clicked into place and that there is enough space on the card for your recordings.
- Visually inspect the battery for puffing. If the battery is puffed don't use it.
- Make sure the remote controller and the drone are fully charged before launch. A short press on the power button will reveal the charge level. You should always begin flights with a fresh battery. Starting with partially depleted battery could result in an unexpected power loss. (Note cold weather depletes the batteries faster.
- Plug your smartphone or tablet into the remote controller. Check your device to ensure it has a sufficient charge to complete the mission.

## Prepare to launch

- Select a launch location free of overhead obstructions. If taking off on grass using a launch pad or car mat. (Prevents camera gimbal from getting jammed by grass.)
- Check the area for hazards, overhanging branches, power lines, etc. Secure pets, especially dogs which may react to the lights, sound and motion of the Mavic.
- If you are taking off from a new location it is recommended (not required) that you download the map for this area while still connected to a Wi-Fi hotspot. If you are using a smart phone with a data connection, this will occur automatically.

- Power on the remote controller. Check the flight mode switch on the righthand side to make sure it is in the normal position. Do not take off in the Sport Mode.
- Start the “DJI Go” App and select the camera function
- Turn on the Mavic with one short press and one long press on the battery. The Mavic should beep, warm up and in a few seconds, you should see live video on the screen. 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.
- Adjust the exposure if necessary. When adjusting exposure with the Mavic Pro, turning the knob on the top right corner of the radio to the right will increase the exposure. *“Right is bright.”* (If you activated the over exposure warning in the APP, the zebra lines will show on over exposed areas. It is normal to have about 10% of the screen showing zebra lines for most lighting conditions.)

### Compass Calibration (if required)

- Do this if you are prompted by the APP. (Not necessary for every flight.)
- Tap the top center menu button in the DJI App
- Tap “Compass Calibration” and follow the instructions. (You should be clear from metal objects, or other possible sources of magnetic interference while calibrating. Rebar under a concrete pad can also cause magnetic interference).

### Ready to Launch

- Make a plan for how you will respond to in flight emergencies such as lost communications.
- Wait for the “Safe to fly” indicator to appear on the top of the DJI Go App.
- Pull the sticks down and toward the center to activate the motors, they will begin to idle. Release the sticks.

- Apply forward motion to the left stick (throttle) to take off. Climb to shoulder level and observe the propellers spinning to detect any unusual vibrations.
- If you become disoriented during the flight, stop and allow the aircraft to hover while you regain your orientation. Don't panic!

## Landing

- Check the area for obstructions or people who have moved into your landing area. Verbally announce to anyone nearby that you are landing and to stand clear. Don't try to land on a table or other elevated object. If your landing is not spot-on your drone may fall off and become damaged.
- Point the nose of the Mavic away from you and slowly back up over the landing zone and hover at about 5 feet.
- Once you are satisfied with the location, pull all the way down on the left stick and let the Mavic settle to the ground. The onboard sensors will take over at about 1 foot and slowly descend the rest of the way.
- Once the Mavic has landed the motors should power down. Power down the Mavic before picking it up.

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Pilot in Command

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Date