

## Compass Calibration Workflow

⚠️ Preemptive compass calibrations are not recommended even after changing locations. Using its GPS, the aircraft automatically compensates for changes in magnetic declination. A compass calibration is only required if the indicated heading deviates from a known true (not magnetic) heading by +/- 5°.

### Setup:

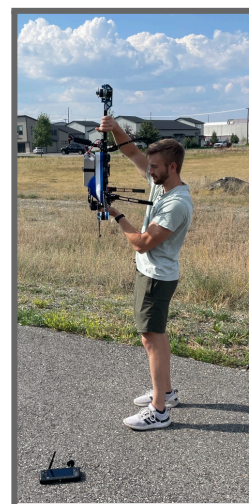
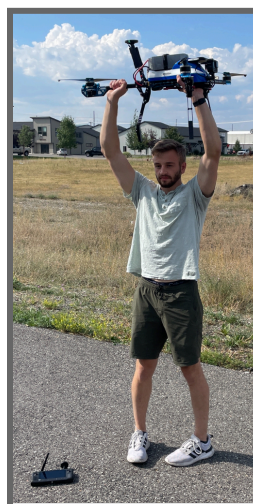
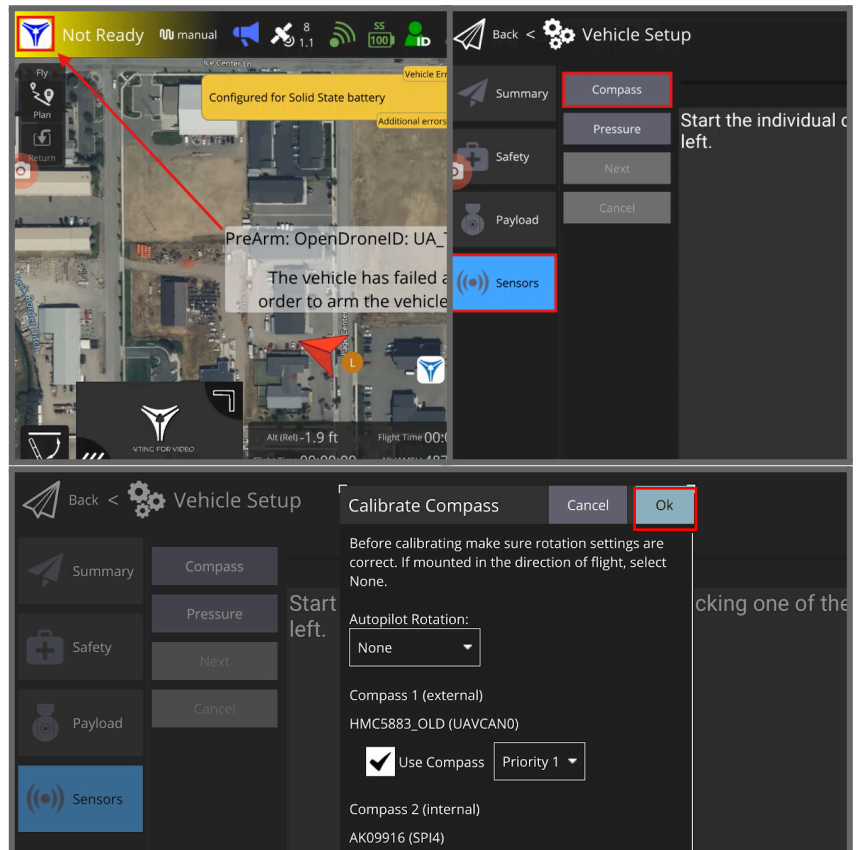
Using a battery, power the drone and configure it as you would before a flight. Deploy the arms, retracts, and GPS mast. Ensure that the drone and GCS are outside and at least 50 feet away from any sources of magnetic interference such as buildings, vehicles, and other electrical equipment.

In Flight Deck, go into the “Vehicle Setup” tab in the upper left corner. Navigate to the "Sensors" tab and select "Compass."

### The “Dance”:

Tap "Ok" to start the calibration sequence. The drone will start to beep.

Pick the drone up and extend it over your head, right-side up. Slowly spin, completing a full 360 degrees. Immediately repeat with the 5 other drone orientations/axis: left side, right side, up-side down, nose down, and nose up (6 total rotations). After spinning for each orientation, rotate the drone around randomly until the aircraft chimes signaling the calibration is complete.





## Calibration Indicator:

In the window on the GCS, verify that the dot in the calibration indicator is at least halfway through the yellow zone. A better calibration will land in the green zone.

## Verification:

Place the aircraft on the ground and point it due north. Complete a power cycle of both the GCS and the aircraft.

The drone's GPS has been properly calibrated if the reading on the GCS is +/- 5 degrees of true north.

