

Phantom 4 RTK Instructions

Power Up

****When powering any components on or off, press the power button two times and then press again & hold for 3 seconds.**

1. Ensure black and white batteries are charged for remote controller, drone, and RTK Mobile Station.
2. Set up tripod and landing pad in an open area that is free of large trees and structures.
3. Attach D-RTK 2 Mobile Station to tripod and turn on. Allow up to 20 minutes to find satellites (typically takes less than 5 minutes). This will happen automatically.
 - a. Middle LED light on mobile station indicates status in connection to satellites. Red indicates it is not connected. It will be yellow when it is still establishing location. It will turn green once location is established and it is ready.
 - b. Left LED light indicates its connection to the drone. This will turn green once the connection has been made (see directions below).
 - c. Right LED light is mode button. Mobile station should be in mode 1. (Green light will blink one time.)
4. Insert charged white battery into Phantom 4 drone. Ensure MicroSD card is inserted into drone and plastic support piece has been removed from the camera.
5. Turn on Phantom 4 and set on landing pad.
6. Insert charged black battery and turn on remote controller.

Completing the Airdata Pre-Flight Checklist

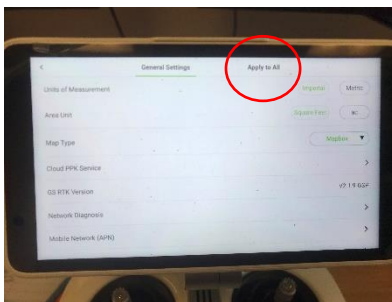
1. On home screen, select the line sandwich in the top left-hand corner



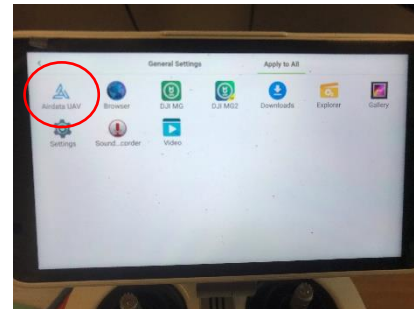
2. Select "Settings" (gear wheel)



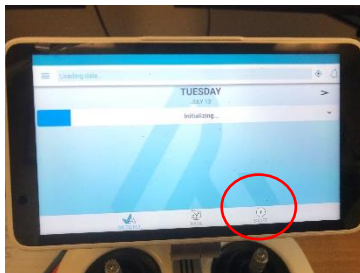
3. Select "Apply to All"



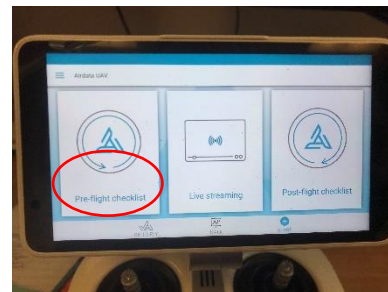
4. Select "Airdata"



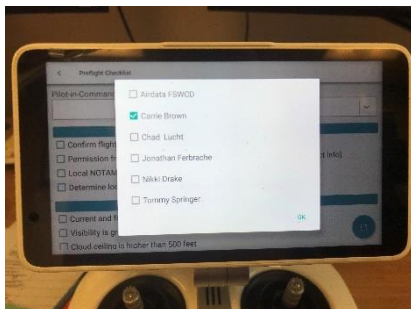
5. Select "Start" in lower right-hand corner



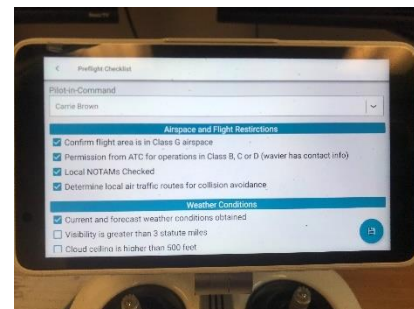
6. Select Preflight Checklist



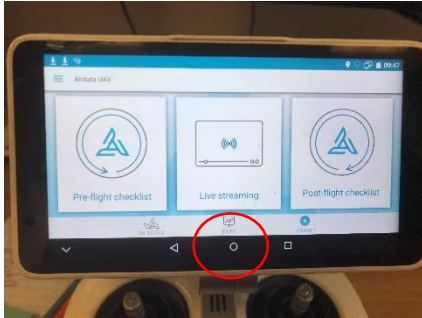
7. Select Pilot in Command



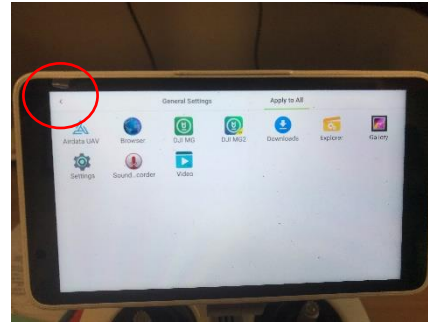
8. Review and check off Preflight Checklist



9. Swipe up on screen. Select center circle at bottom of screen

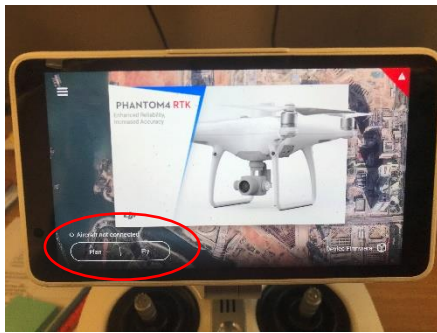


10. Select the back arrow in top left-hand corner of screen to go home

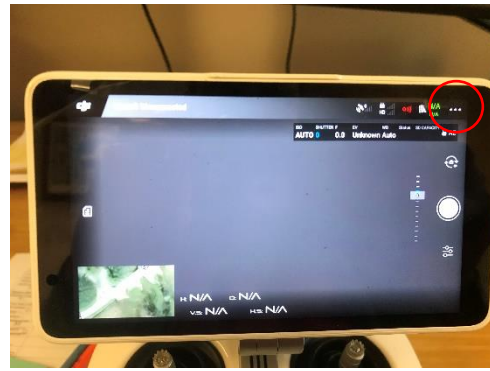


Connecting to D-RTK 2 Mobile Station

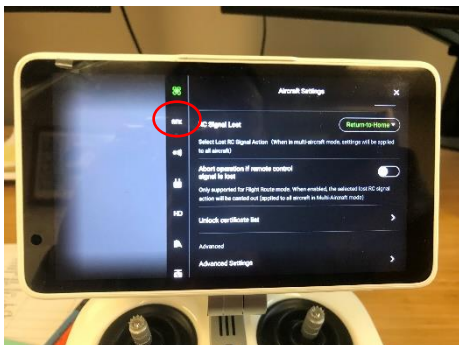
1. Select "Plan" (if planning a new flight) or "Fly" (if using a flight already created)



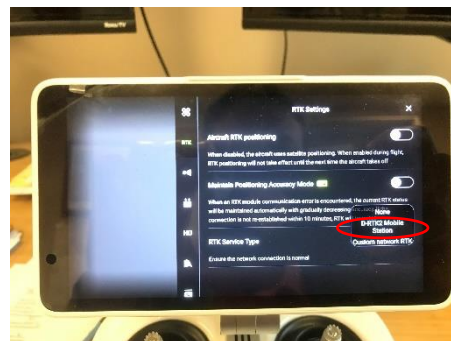
2. Select the three dots in top right-hand corner



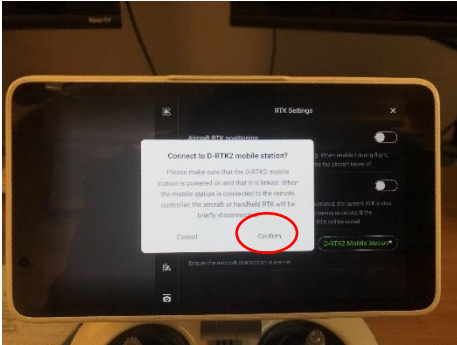
3. Select "RTK" from side bar



4. On RTK Service Type dropdown, select D-RTK2 Mobile Station



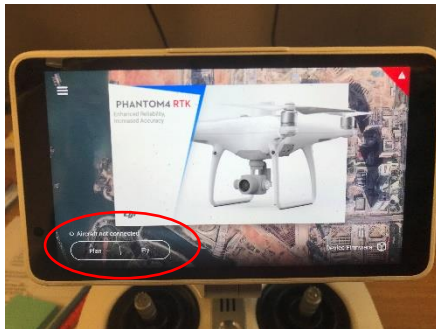
5. Select "Confirm" on pop-up screen.



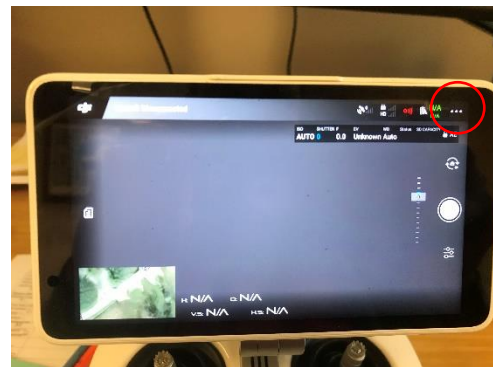
6. **The remote controller will automatically disconnect from drone (as it had connected to drone automatically when both were powered on), connect to the selected D-RTK2 Mobile Station, and reconnect to drone. This process typically less than a minute.

Calibrating the Compass

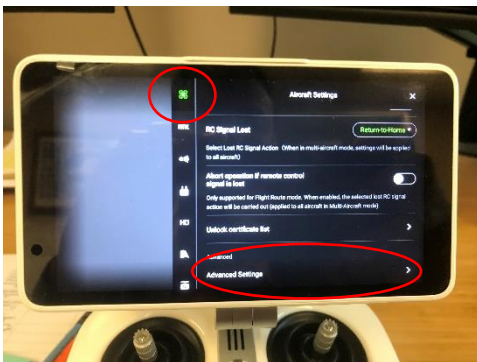
1. Select "Plan" (if planning a new flight) or "Fly" (if using a flight already created)



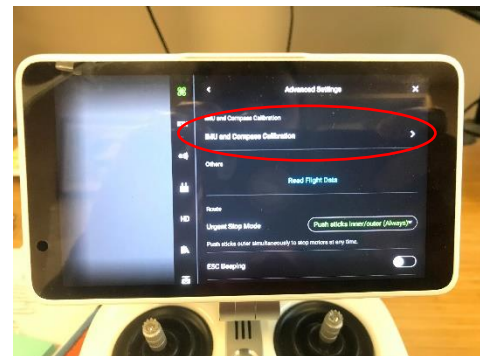
2. Select the three dots in top right-hand corner



3. Select the propellor icon on sidebar (top icon). Then select "Advanced Settings"



4. Select "IMU and Compass Calibration" and follow instructions.



5. Select "Calibrate Compass" at bottom of screen



6. Follow the directions, first making one complete circle with drone upright



7. Next, turn the drone on its side and make another complete circle



Calibration Tips:

- Only calibrate the compass when prompted.
- Do not calibrate compass near metal objects such as metal bridges, cars, etc. Don't calibrate on concrete surface if it may contain rebar.
- Do not have cell phone on your person during calibration.