

## WaldoAir Hardware Checklist

1. WaldoAir mounts on the right-wing strut, below the step plate.
2. Use the proper mounting bracket.
  - 2.1. Use white tape on the strut so not to get scratched with bracket.
  - 2.2. C-172 and C-182 use same bracket.
    - 2.2.1. C-172 requires a padding insert.
  - 2.3. C-206 is a slightly larger bracket.
3. Quick mount CAM assembly handles are on top. Make sure spacers are in place above and below the bracket. Bolts insert from bottom.
4. Two safety wires wrap around the strut. Ensure they remain in place should the CAM bolt assemblies come loose during flight.
5. Connect GPS antenna cable, USB data cable (screw on connector), and power connector.
  - 5.1. Cable connections are water resistant, not waterproof. Avoid steady rain.
6. Tape cables to wing strut and side of fuselage.
7. Remove window hold screw that holds the MO window open (secure location of screw for later re-install).
8. Feed data cables through notch for window hold.
9. Tape cables inside the cabin with enough slack so door can open and close freely.
10. Tape GPS sensor to inside window above MO so it has a clean sightline to satellites.
  - 10.1. Ensure round sensor top is facing up.
11. **Verify System Operation**
  - 11.1. Start Flight PC
    - 11.1.1. **Wait 10 Seconds**
  - 11.2. Connect USB to PC
    - 11.2.1. **Wait 10 Seconds**
  - 11.3. Connect (camera) battery & power up.
  - 11.4. Press and release silver circle button then red switch ON
    - 11.4.1. **Wait 10 Seconds**
  - 11.5. Open Windows File Explorer
  - 11.6. Verify two cameras present under the "This PC" icon.
  - 11.7. Open *Waldo FCS* in Sim Mode
    - 11.7.1. Wait for 5 or more satellites (Only if in Mission, not sim)
  - 11.8. Select Flight plan in FCS
    - 11.8.1. If circle mission, popup box will tell you the roll angle for camera.
12. **System Usage**
  - 12.1. Leg turns are right.
  - 12.2. Remind pilot for tear drop turns for each leg (typical .1 mile leg spacing).
    - 12.2.1. Alternative would be to fly every 10<sup>th</sup> leg and double back, effectively 1 mile leg spacing
13. **System Shutdown**
  - 13.1. Shutdown the Flight PC
    - 13.1.1. **Standard Windows Shutdown procedure**
  - 13.2. Remove the USB cable.
  - 13.3. Power down (camera) battery & disconnect.
    - 13.3.1. Press and hold silver circle button until light goes off.
    - 13.3.2. Turn red switch OFF.
    - 13.3.3. Disconnect
  - 13.4. Recharge Flight PC for next usage
  - 13.5. Recharge (camera) battery for next usage.
  - 13.6. Replace window hold screw.
  - 13.7. Remove WaldoAir unit and all tape.
    - 13.7.1. Do not allow tape to remain on overnight.