

WaldoAir Checklist Ultra_50 Camera Pod

1. WaldoAir mounts on the right-wing strut, below the step plate.
2. Use the proper mounting bracket.
 - 2.1. STC required for each aircraft
 - 2.2. A&P must mount bracket to right wing strut, centered on 15" from airframe body.
 - 2.3. Use white Gaffers tape on the strut so not to get scratched with bracket.
 - 2.4. C-172 and C-182 use same bracket.
 - 2.4.1. C-172 requires a padding insert.
3. 7/16" deep well nut driver required. Make sure spacers are in place above and below the bracket. Bolts insert from bottom.
 - 3.1. Secure banding straps around camera pod securely to bracket. Ensure camera head will turn freely.
4. Connect GPS antenna cable, USB data cable (screw on connector), and power connector.
 - 4.1. Cable connections are water resistant, not waterproof. Avoid steady rain.
5. Tape cables to wing strut and side of fuselage.
6. Remove window hold screw that holds the MO window open (secure location of screw for later re-install).
7. Feed data cables through notch for window hold.
8. Tape cables inside the cabin with enough slack so door can open and close freely.
9. Tape GPS sensor to inside window above MO so it has a clean sightline to satellites.
 - 9.1. Ensure round sensor top is facing up.
- 10. Verify System Operation**
 - 10.1. Start Flight PC
 - 10.1.1. **Wait 10 Seconds**
 - 10.2. Connect USB to PC
 - 10.2.1. **Wait 10 Seconds**
 - 10.3. Connect (camera) battery & power up.
 - 10.3.1. **Wait 10 Seconds**
 - 10.4. Open Windows File Explorer
 - 10.4.1. Verify two cameras present under the "This PC" icon.
 - 10.5. Open *Waldo FCS* in Sim Mode
 - 10.5.1. Wait for 5 or more satellites (Only if in Mission, not sim)
 - 10.6. Select Flight plan in FCS
- 11. System Usage**
 - 11.1. Leg turns are tight.
 - 11.2. Remind pilot for tear drop turns for each leg (typical .1 mile leg spacing).
 - 11.2.1. Alternative would be to fly every 10th leg and double back, effectively 1 mile leg spacing
- 12. System Shutdown**
 - 12.1. Shutdown the Flight PC
 - 12.1.1. **Standard Windows Shutdown procedure**
 - 12.2. Remove the USB cable.
 - 12.3. Power down (camera) battery & disconnect.
 - 12.3.1. Press and hold silver circle button until light goes off.
 - 12.3.2. Turn red switch OFF.
 - 12.3.3. Disconnect
 - 12.4. Recharge Flight PC for next usage
 - 12.5. Recharge (camera) battery for next usage (battery must be on to accept charge).
 - 12.6. Remove WaldoAir unit and all tape.
 - 12.6.1. Replace window hold screw.
 - 12.6.2. Do not allow tape to remain on more than 5 nights or during poor weather if exposed.