AHRS-G *mini*   Frequently asked questions

Can I use an AW model on my certified airplane?
NO. Since the AHRS is non- TSO'd , connecting to the pitot-static system of your aircraft is not permitted on certified airplanes.

What happens if I don't connect the AW model to the pitot-static system?
The output for speed will be "0 Kts" and the altitude will be calculated using the static pressure inside the aircraft (slightly different than outside pressure). Roll and pitch calculations will NOT be affected, therefore the AHRS will be perfectly good for flying.

Where does AIR DATA come from if I purchase an SW?
If you have an external GPS (or the internal GPS on your device) then most likely the application will show Ground Speed and altitude derived from the GPS. The AHRS-G mini SW does NOT have a GPS inside and will NOT provide your device with AIR DATA. Only the AW model provides AIR DATA on experimental airplanes that are connected to the pitot-static system.

How can I hardwire the AHRS to my certified airplane?
If you have a cigarette lighter receptacle, you can purchase a DUAL USB vehicle charger (5V output) and connect the AHRS to one of the USB ports. You may like to use the other port for charging the iPad as well.

Can I connect to the AHRS from multiple devices or run multiple applications at the same time?
You can only connect to one device and to one application at a time using the wireless network. For example: If you are running *iHUD Remote* on your iPad and decide to open *WingX* without completely closing iHUD remote, WingX will not connect to the AHRS since iHUD is running on the background. HOWEVER, you may connect to multiple devices and run multiple applications if using a combination of the ports (USB – WiFI – RS232)

The AHRS starts flashing and then shows an unusual attitude… Why?
The instrument has a maximum rotation rate of 200 deg/sec. If this rate is exceeded, the AHRS will reset itself (characterized by a flashing behavior). This condition is more likely to happen if you are moving the AHRS with your hand (rapid movements) or in acrobatic maneuvers. The RESET cycle takes up to 4 seconds. If in this period you continue to move the AHRS, you will induce an error and the RESET cycle will be invalid, showing an unusual attitude. To fix this, you can try exceeding the rate again, and immediately leave the AHRS

still and level during the next 4 seconds. It should reset itself and show the correct attitude.

My App shows " NO AHRS DATA/ No Gyro", what's wrong?

There can be a number of reasons why you can't see AHRS data. The following list shows most common situations:

1. You are not connected to the AHRS WiFly network.
2. You did not wait until your device established a solid connection (at least 25 secs)
3. You have not enabled the AHRS on your app (not necessary on iHUD)
4. You have one application running on the background that is already connected to the AHRS. Remember only one app at a time can communicate with the unit.
5. There is another device (iPhone/iPad) that is already connected to the AHRS.
6. You are low on battery
7. Your device version is not supported by the application (some applications run only on certain devices with certain iOS version)
8. The transmitter is defective. You should call technical support for troubleshooting.
9. The AHRS is defective. You should call technical support for troubleshooting.