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iLevil AW: revolutionary ADS-B receiver for Experimentals and LSA

The new iLevil AW from Levil Technology is a game changer when it comes to safety and avionics selection for non-certified aircrafts. Similar to its portable version, the popular iLevil SW, this new rugged system integrates an AHRS, 978 MHz ADS-B receiver, WAAS GPS and iPad/Android compatibility using its integrated WiFi technology. However, the iLevil AW introduces **three key features** that revolutionize the role of portable ADS-B receivers in the cockpit today.

One of them is an **integrated 8-32V power adapter**. This feature allows direct connection to the airframe's 12-24VDC system, leaving the cigarette lighter receptacle free for other portable systems. With a direct connection to the main bus, automatic ON/OFF operations are now possible without the push of a button on each flight. In case of a power-failure emergency, the AW continues to function as a portable device by using its internal rechargeable battery, which can be operated by the integrated ON/OFF switch, or a remote one, installed directly on the panel.

Significantly important during takeoff and landing are **reliable speed and altitude** measurements. With the iLevil AW, speeds are not "GPS-guess." The iLevil AW easily connects directly to the aircraft's pitot-static system, without the need to recalibrate the existing instruments, and its internal pressure transducers are already calibrated, providing "right now" airspeed and pressure altitude information while still monitoring ground speed and GPS altitude. "The iLevil AW's ability to provide both airspeed and pressure altitude raises the bar for pilot situational awareness," said Dr. Goldstein, founder and CEO, Hilton Software LLC. "We are thrilled to integrate this

powerful capability into WingX Pro7's sophisticated moving map display and, as we did with Levil's G-mini and iLevil SW, take pilot safety to new heights."

Finally, the iLevil AW features two RS-232 ports, making it the only ADS-B receiver that facilitates **connection between an iPad and the panel instruments**. The AW outputs ADS-B and GPS information through one of its serial ports, enabling standard panel mounted avionics to access free weather and traffic information while the tablet is used simultaneously for backup or complimentary display.

Technology partnerships and compatibility:

The additional serial port can be used to communicate data **IN** from external devices such as **Zaon XRX** traffic; when combined with an iLevil and **WingX Pro7** software, the iPad facilitates all the traffic available to the pilot, even those that haven't yet upgraded to ADS-B out.

Grand Rapid Technologies, manufacturers of the popular EIS 4000/6000 series, partnered with Levil to offer full engine instrumentation display on the **iPad** when combined with an iLevil SW or AW. "Having an independent back-up for both primary and engine instruments has been a luxury in experimental aviation", says Ananda Leon, General Manager at Levil Technology. "The iLevil AW is more than an ADS-B receiver, is the gateway to great things".

The new iLevil AW is priced at \$1395 and will be showcased at Airventure 2013.

