



SIMPLIFYING INDIVIDUAL AND FLEET AIRCRAFT OWNERSHIP - GARMIN INTRODUCES PLANESYNC CONNECTED AIRCRAFT MANAGEMENT SYSTEM

News / Manufacturer



Garmin announced PlaneSync connected aircraft management, a system that automatically update¹ avionics databases, logs flight and engine data and allows aircraft owners and operators to remotely check fuel and systems status via the Garmin Pilot app. Available for both forward-fit and retrofit applications, PlaneSync technology is designed to bring new levels of connectivity and convenience to aircraft owners and operators alike.

Carl Wolf, Garmin Vice President of Aviation Sales and Marketing, commented: “As constant innovators within the avionics industry, this impressive technology provides a solution that will simplify and reduce the complexities of aircraft management. The capabilities of PlaneSync technology will help provide confidence to operators, from individual owner-pilots to crews for large fleets, that their aircraft is prepared for flight, improving the overall pilot experience so our customers can spend more time focused on the task at hand – flying.”

Connected aircraft management

Using a 4G LTE cellular or Wi-Fi® connection provided by the new GDL® 60 datalink, PlaneSync technology enables impressive avionics connectivity capabilities to streamline an aircraft owner's pre-flight and post-flight activities. LTE connectivity is utilized to remotely check the aircraft's fuel and systems status², while LTE and Wi-Fi connectivity can be used to download database updates and upload logged flight and engine data¹. Compatible with popular Garmin avionics such as GTN Xi series navigators, TXi series flight displays, GI 275 electronic flight instruments and select Garmin integrated flight decks, PlaneSync technology is available for a wide array of Garmin-equipped general and business aviation aircraft. PlaneSync technology is available today with new G3000-equipped aircraft, including the Daher TBM 960 and Piper M600 SLS.

Automatic database updates

Eliminating the time-consuming process of updating databases via PC and data card, PlaneSync technology automatically downloads databases¹ to the aircraft via Wi-Fi or LTE and offers an attractive alternative to the Flight Stream 510. Downloads can occur while the aircraft is powered off and the owner is away from the aircraft. Essential databases are automatically synchronized across compatible avionics once the aircraft is powered up. Pilots no longer need to plan around database cycle update timing, or manually update databases using data cards.

Engine and flight data logging

Added capability coming in early 2024, PlaneSync will automatically transmit engine and flight log data¹ to secure cloud storage after landing. Owners can view this data on devices running the Garmin Pilot app or on [Fly.Garmin.com](https://fly.garmin.com) and have the ability to download the log files for maintenance team viewing. The data log can include GPS position and speed, attitude information as well as engine data when appropriately equipped.

Remote aircraft status

It's easier than ever for aircraft owners to check the status² of the aircraft and its systems using the Garmin Pilot app or their D2™ Mach 1 smartwatch. Viewing the current status of the aircraft can allow the pilot to see its location on the ramp, if it has been fueled for a trip and more. Convenient for flying clubs or multiple-owner aircraft, service subscribers can assign access for other users to view aircraft status. When appropriately equipped, remote aircraft status features³ include active/standby database status, as well as Hobbs, tachometer and flight times, fuel quantity, battery voltage, OAT, oil temperature and aircraft GPS location⁴.

Mobile device connectivity

The GDL 60 datalink also offers Garmin Connex[®] device connectivity, allowing pilots to connect their compatible app or portable device and interface them to the avionics to transfer flight plans and stream weather, traffic, attitude information and other data⁵. The GDL 60 can also act as an

interface to a GSR 56 satellite transceiver, allowing pilots to utilize in-flight text messaging or initiate voice calls⁶ via the Garmin Pilot app to stay connected from virtually anywhere. Data streamed to compatible devices and apps can include:

- ADS-B Traffic and Weather
- SiriusXM Weather and Audio Control
- GSR 56 Weather and Messaging
- GPS and Attitude Data
- Engine and Flight Data

PlaneSync Service Subscriptions

The LTE and Wi-Fi enabled features such as automatic database updates, remote aircraft status and flight and engine log uploading require a service plan from Garmin. Multiple service plans are available to provide customers cost-effective choices depending on the connectivity capabilities desired.

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