

News for GA – AVIONICS

GARMIN®

Garmin Introduces the GWX™ 75R Aviation Weather Radar

Garmin is pleased to announce the GWX™ 75R, a new version of the GWX 75 designed for aircraft with limited radome space. The GWX 75R offers the reliability and clarity of the GWX 75, but with a smaller lateral scan range requirement.

Intended for a wide range of fixed wing aircraft and helicopters, the Doppler-based, solid-state GWX 75R incorporates exceptional range and a high-definition color palette that features four times more color contouring than traditional aviation weather radars on the market.

Boasting a solid-state design, GWX 75R offers reduced power consumption and extended life compared to earlier generation, magnetron-based weather radars. GWX 75R offers a range of 320 nautical miles, horizontal



scan angles of up to 90 degrees, and pilot-adjustable sector scanning. GWX 75R also retains vertical scan capabilities, which allows the pilot to focus on storm tops, gradients, and storm cell build-up at various altitudes.

GWX 75R is compatible with select Garmin integrated flight decks, GTN™ series touchscreen navigators, and TXi series flight displays. The GWX 75R utilizes a receiver/transmitter

known as the GWX Processor R, which is designed with a near identical footprint as the GWX 70R, simplifying a replacement of an existing GWX 70R installation.

Optional features, such as turbulence detection and ground clutter suppression, are also available with GWX 75R. Units can be ordered now and will ship late January. Please contact your sales manager with any questions.



G1000[®] NXi Upgrade Available for Embraer Phenom 100

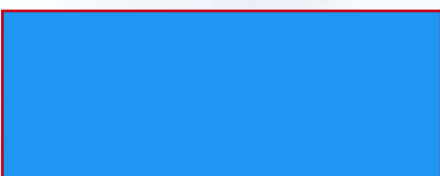
Garmin is pleased to announce that the G1000 NXi integrated flight deck, successor to the popular G1000 flight deck, is now available for the Embraer Phenom 100 business jets equipped with the Prodigy Flight Deck.

The G1000 NXi flight deck offers aircraft owners and operators an array of modern features, including wireless connectivity, SurfaceWatch™ runway monitoring technology, visual approach guidance, HSI map, and more. The displays and controller also preserve the same footprint and connectors so time to complete the G1000 NXi upgrade is minimized.

A wealth of modern integrated flight deck features and benefits accompany the G1000 NXi upgrade in the Phenom 100. In addition to a new, faster processor and sharper display,

wireless connectivity is available as standard with the Flight Stream 510. The Flight Stream 510 provides Connex[®] technology, enabling the wireless transfer of aviation databases from the Garmin Pilot™ app on a mobile device to the G1000 NXi.

Additional wireless capabilities include two-way flight plan transfer, the sharing of traffic and weather in ADS-B equipped aircraft, GPS information, back-up attitude information and more between the G1000 NXi and the Garmin Pilot, FltPlan Go and ForeFlight Mobile applications.





Garmin Adds GFC™ 500/ GFC 600 Aircraft Approvals

Garmin is pleased to announce it has received Federal Aviation Administration (FAA) Supplemental Type Certification (STC) for the GFC 500 autopilot in the Cessna 182RG. Additionally, the FAA and EASA STC approval is expected imminently for the GFC 600 autopilot in the Piper PA-46 310P/350P JetPROP and Socata TBM 700/850.

When properly equipped, GFC 600 will also offer additional features in the TBM 700/850, including Emergency Descent Mode (EDM) and Low Bank Mode. GFC 500 and GFC 600 deliver superior in-flight characteristics, self-monitoring capabilities and minimal maintenance needs when compared to older generation autopilot systems.

GFC 500 is intended for single-engine piston aircraft, while GFC 600 is intended for high performance piston single/twin-engine and turbine aircraft that have a wide range of speed and performance characteristics.

Aircraft models now approved for the GFC 500 autopilot include:

- Cessna 182RG; Models: R182, FR182, TR182

Aircraft models soon to be approved for the GFC 600 autopilot include:

- Piper PA-46; Models: 310P JetPROP, 350P JetPROP (Only JetPROP Aircraft Modified by STC# ST00541SE)
- Socata TBM; Models: 700, A, B, C1, C2, N (TBM 850)

New GFC 600 Features

With the approval of the GFC 600 autopilot in the TBM 700/850, new features will be introduced to GFC 600. Low Bank mode will help increase passenger comfort by automatically lowering the autopilot roll limit at higher altitudes. A separate switch may also be used by the pilot to activate/deactivate Low Bank Mode at any altitude. Additionally, GFC 600 equipped TBM 700/850 aircraft will also feature Emergency Descent Mode (EDM). In the event an aircraft loses cabin pressurization, EDM is capable of automatically descending the aircraft to a preset altitude without pilot intervention to help avert hypoxic situations. Please note, a G600 TXi flight display is required for installation of GFC 600 in the TBM 700/850.

NEWS IV QUARTER

- ▶ We delivered and replaced the BAT 200 battery for Robinson R44 helicopter.
- ▶ We upgraded the avionics on Cessna 172 of Aero Club of Ziemia Lubuska. The new avionics set includes: Kannad 406AFCompact ELT, AV-200 antenna, CI-105 antenna, 1394T100-10RZ sideslip indicator and new glareshield.
- ▶ We delivered the new Jeppesen card leader (necessary for the performed upgrades) to 23rd Air Tactical Base in Mińsk Mazowiecki.
- ▶ We equipped the Mi-8 helicopter from Police Aviation with Artex ELT battery.
- ▶ The card unlocking HSVT was installed on Robinson R-44 helicopter from DIAMOND MODULE company.
- ▶ The Pilatus PC 12 /45 of Cracovia Air company was equipped with the new Garmin avionics: 2 GTN 750 systems, 2 GA35 antennas, GTX345 transponder, GMA350c audio-panel and 2 International Database cards.
- ▶ We delivered GTN 650 nav system and GA35 antenna and International Database card for Cessna 172S airplane.
- ▶ We will upgrade Cessna 152 of Aero Club of Ziemia Lubuska with the Garmin avionics: GA 35 antenna, GNC 255A radio, GMA 340 antenna, GMA 342 audiopanel, GTX 335 transponder, A-30 encoder, G5 EFIS and G5 HSI w/GAD. The installation will take place in 2020.