

Garmin G1000® NXi King Air Upgrade

Industry-leading Solution for King Air Glass Flight Deck Retrofits

- Latest, most advanced flight deck upgrade brings zero-time avionics, new glass displays, smooth flight control and HSI mapping to your Beechcraft King Air
- Equipped to meet and exceed airspace modernization initiatives for ADS-B and more
- Enables WAAS LPV approaches into thousands of airports — with Visual Approach capability for autopilot-coupled glidepaths to pilot-selectable minimums
- G1000 NXi upgrade saves an estimated 250 lbs. over the avionics it typically replaces
- Optional Connex[®] connectivity adds worldwide weather, voice calling and text messaging plus database and flight plan transferring with tablet or smartphone interface



With the G1000 NXi integrated flight deck, the industry's most popular and trusted King Air flight deck upgrade is even better. Its processing power, enhanced features and growth-oriented technology combine to help lower your aircraft's cost of operation while boosting its overall performance, useful load, NextGen readiness and, ultimately, market value at resale time. Backed by our No. 1-ranked product support team, G1000 NXi is today's premier upgrade solution for your King Air's avionics system.

A Perfect Fit for Your King Air

In its King Air cockpit configuration, the G1000 NXi upgrade package features a large 15" multifunction display (MFD) in the center of the panel, flanked by 10.4" primary flight displays (PFDs) at the pilot and copilot positions. Offering full flight management system (FMS) capabilities in an RVSM-capable installation, the King Air upgrade integrates all primary flight, navigation, weather, terrain, traffic, radio frequency, engine and fuel data readouts in a format that makes the pilot interface much clearer, simpler and more intuitive.

With excellent dimming performance enabled by the most modern LED lighting technology, the displays are bright, crisp and more adaptable overall. Powerful graphics rendering offers high-speed zooming, panning and map depiction, and system startup is quick so you can access your avionics right away. Better still, since G1000 NXi integrates so many components (and eliminates so much extra wiring), it typically comes in at a weight that's lower by approximately 250 lbs. than the old-style avionics it's replacing. More fuel? More luggage? An extra passenger? The weight savings can translate into real operational advantages for your King Air.

HSI Mapping, Front and Center

To provide even more situational awareness for pilots, the King Air G1000 NXi package is offered with HSI mapping capabilities that put an MFD-like perspective map view within the HSI portion of the primary flight display. This detailed graphical landscape on the PFD helps focus your instrument scan, enabling you to better visualize nearby flight and enroute navigation features — especially when things get extra busy in the cockpit.



SurfaceWatch™ Runway Monitoring

Adding to the suite of Garmin Terminal Safety Solutions that include SafeTaxi® airport diagrams and TerminalTraffic™ surveillance of ADS-B equipped aircraft and vehicles within the airport environment, the G1000 NXi upgrade also incorporates the latest SurfaceWatch runway identification/alerting technology. This SurfaceWatch monitoring capability offers the opportunity for a safer operating environment, helping pilots avoid runway incursions or operational miscues such as takeoffs or landings on the wrong runway, a runway that is too short for safe departure or arrival, or takeoffs on a taxiway.



Connex Cockpit Connectivity

Using Connex wireless connectivity via our optional [Flight Stream 510](#) wireless gateway, you can stream information in real time between your King Air's avionics and compatible mobile devices running our [Garmin Pilot™](#) app. This combination turns your tablet or smartphone into a true cockpit interface — enabling Database Concierge wireless database transfer plus flight plan transfer and continual streaming of weather, traffic, attitude information and more to your compatible mobile display. With an optional [GSR 56 datalink](#) and [Connex Satellite service plan](#), you can also use mobile devices running Garmin Pilot to send text messages and initiate phone calls. And with a subscription to SiriusXM® audio entertainment, Connex allows you to wirelessly control SiriusXM channel selection from any seat on the aircraft. Flight plan transfer and display of ADS-B weather, traffic, GPS and attitude information is also available via Connex on compatible mobile devices running ForeFlight Mobile.



Virtual 3-D Synthetic Vision

Taking the HSI's 3-D perspective view even further, optional SVT™ synthetic vision technology enables G1000 NXi to create a “virtual reality” landscape — showing terrain, obstacles, airports, flight plan routes, datalink weather and/or onboard radar overlays, SafeTaxi diagrams, traffic targets and more — all in computer-generated context on the PFD. In essence, it's like having a clear-day “out-the-window” virtual view of your flight situation, even in solid IFR or nighttime VFR conditions.

Do Even More with Your Autopilot

The G1000 NXi integrated flight deck for your King Air also includes the [GFC™ 700](#), a revolutionary 3-axis, fully digital, dual-channel, fail-passive Automatic Flight Control System (AFCS). In addition to full class 3 approach capability that allows you to fly GPS-guided WAAS LPV “glidepath” approaches down to ILS-comparable minimums, G1000 NXi adds Visual Approach capability, generating a 3-degree autopilot-coupled vertical flight path down to pilot-selectable minimums. This gives you even more options when it comes to flying and landing your King Air at a variety of airfields.

Fly with Stability Protection

Available Garmin ESP™ (Electronic Stability and Protection) works with the G1000 NXi flight control system to assist pilots in maintaining the aircraft in a safe, flight-stable condition when the aircraft is being hand-flown — helping to prevent loss of control should disorientation or incapacity occur during flight. Using the servos of the autopilot system, ESP applies a gentle corrective force to the yoke when it detects excessive pitch and roll. It also provides underspeed protection (USP) and coupled go-around capabilities.

Terrain Alerting, Electronic Charts and SafeTaxi

Using information from the terrain and U.S. obstacles databases, King Air's G1000 NXi displays use color coding to graphically alert you when proximity conflicts loom ahead. The package also comes with Class-B TAWS (Terrain Awareness and Warning System) — or optional Class-A TAWS on new King Air 200, 300 and 350 series retrofits — for an extra margin of safety in the air. SafeTaxi, a detailed database of U.S., Canadian, European or Brazilian airport diagrams, helps monitor your location on unfamiliar airports. And preloaded FliteCharts® provide electronic versions of terminal procedures and approach plates for thousands of airports. (ChartView™, powered by Jeppesen® electronic approach charts, is also available as an option.) For enroute navigation, your choice of georeferenced VFR Sectional or IFR Enroute mapping data is provided — along with previews for standard departures and arrivals.

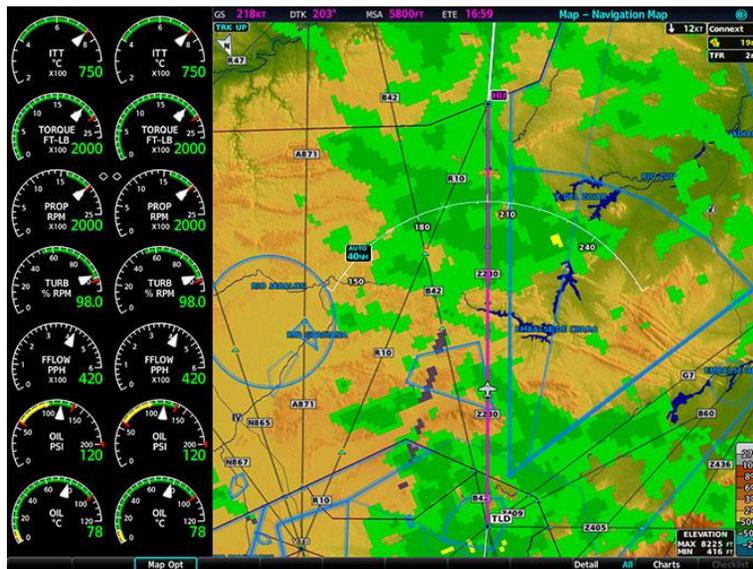


Get Traffic, Weather and More

Featuring an integrated ADS-B transponder (optional on the King Air C90 and included on other series), the King Air G1000 NXi system provides ADS-B “Out” capabilities to meet requirements for NextGen airspace. The system also provides ADS-B “In” to support subscription-free weather and advanced traffic displays, including TargetTrend™ and TerminalTraffic.

In addition, the King Air G1000 NXi suite comes standard with our **GWX™ 70** digital Doppler-capable color weather radar. It combines excellent range and adjustable scanning profiles with precision target definition — for accurate, easy-to-interpret, weather analysis in the cockpit. And it’s available with advanced optional capabilities such as turbulence detection and ground clutter suppression.

For wider-ranging updates, an optional **Garmin Connex™** satellite link receiver lets you bring seamless on-demand worldwide weather information to your G1000 NXi cockpit for international operations. When flying throughout most of Europe, Canada and the U.S., you can receive high-resolution radar imagery via satellite link as well.



If your sphere of operations lies within North America, you also have access to up-to-the-minute SiriusXM satellite weather services with an optional subscription and the standard [GDL® 69A](#) data link receiver. Both the onboard radar and SiriusXM weather imagery can be overlaid on the G1000 NXi moving map display, and it can be displayed on the HSI map on the pilot's and/or copilot's PFD. And to help keep an eye on changing weather conditions, NEXRAD images can be animated over a period of time. The SiriusXM subscription provides coverage for most of the U.S. and Canada — with NEXRAD images, METARs, TAFs, TFRs, lightning, winds and more. Plus, you can even select and enjoy more than 170 audio channels of SiriusXM inflight entertainment (subscription required).

Automatically Monitor and Log Engine Data

Built-in engine monitoring and logging capability is included with your G1000 NXi installation to collect engine data to support engine performance, trend and exceedance analysis. This recorded data can be used by your aircraft service technicians to identify early signs of engine performance issues and schedule service to help avoid more costly repairs later.

Fly with Higher-level Confidence

The G1000 NXi upgrade suite is clearly more than just a flight deck facelift for your King Air. It represents a whole new level of communication with — and confidence in — your avionics system. It's also designed to be easily updated, so you can count on it to keep pace with evolving technology and airspace requirements. Plus, you'll be flying with the peace of mind that comes with an industry-leading 2-year warranty (and optional FlightLevel Extended Warranty), backed by our award-winning product support team.

Additional Resources

[Garmin G1000 NXi Product Announcement](#)

[Flying Magazine Article](#)

[YouTube Video - Garmin G1000 Nxi Flight Trial](#)