

GI000® NXi FLIGHT DECK UPGRADE

NEW LIFE FOR YOUR BEECHCRAFT KING AIR



GARMIN

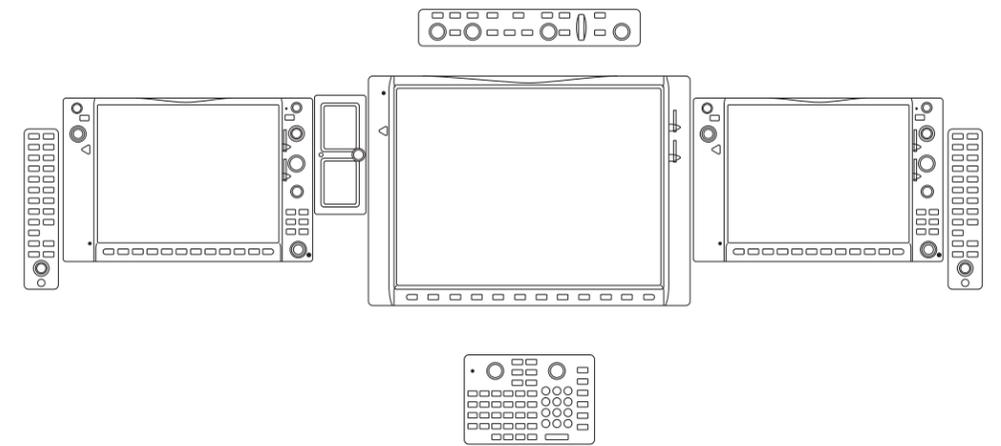
MAX
1000
KIT

AVIONICS FOR THE NEXT GENERATION

The Beechcraft King Air family of twin turboprops has long set the standard for travel comfort in business aviation. King Air owners love their aircraft. But many of them also face issues with aging mechanical instruments and outdated avionics.

That's why Garmin created and certified the original G1000® glass flight deck upgrade package. It quickly became the industry's most popular and trusted King Air retrofit solution. Now, this Garmin glass suite technology gets even better with next-generation G1000® NXi.

This newer system's dual-core processing power, enhanced features and growth-oriented technology combine to help boost your King Air's overall performance, useful load, NextGen readiness and, ultimately, its market value at resale time. Meanwhile, predictable flat rates for repairs help keep your cost of ownership low – and your confidence level high. Backed by our No. 1-ranked Garmin product support team, G1000 NXi is today's clear-as-glass choice for giving your aircraft a fresh new lease on life. No other upgrade comes close – for anything close to the price.



UPGRADING YOUR UPGRADE

Available through a growing network of authorized installation centers, our G1000 NXi flight deck upgrade offers the latest in safety and pilot awareness features – as well as built-in growth capability for others yet to come. The displays are brighter and crisper, with improved dimming performance enabled by the most modern LED lighting technology. Significant processor and memory storage upgrades not only boost the system's graphical display capability with faster zooming,

panning and map rendering – but also serve to power up the system rapidly so there's no waiting to access your avionics on startup. 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.







HIGHER TECHNOLOGY ON DISPLAY

For King Air owners and pilots familiar with existing G1000® glass technology and features, the new G1000® NXi package offers even more ways to enhance cockpit safety, efficiency and operational capability.

Upgrade options such as SurfaceWatch™ runway identification/alerting technology and Connex™ wireless cockpit connectivity are now available. Plus, other system highlights include a map overlay on the HSI display, animated NEXRAD datalink weather, autopilot-coupled 3-degree Visual Approaches and much more.



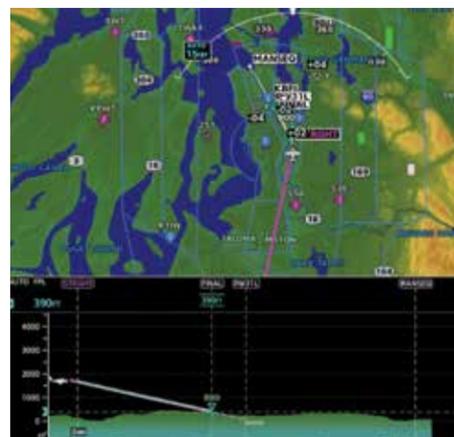
SURFACEWATCH IDENTIFICATION/ALERTING

Adding to the array of Terminal Safety Solutions that include SafeTaxi® diagrams and TerminalTraffic™ surveillance, SurfaceWatch provides pilots with visual and aural alerts that warn if the aircraft is about to take off or land on a taxiway, an incorrect runway or a runway that is too short.



HSI MAPPING OVERLAY

Graphical mapping capabilities within the PFD's HSI put an MFD-like perspective map view – with terrain, obstacles, airports, flight plan routes, weather imagery and more – right in the pilot's primary field of vision.



COUPLED VISUAL APPROACHES

The all-digital GFC™ 700 system adds autopilot-coupled 3-degree Visual Approach capability to its WAAS GPS-guided vertical repertoire. Pilots can set customized minimums and maintain a stable, precise flight path to the runway threshold in non-IFR conditions.

A PERFECT FIT FOR YOUR KING AIR

Your King Air's G1000 NXi layout will feature a large 15" multifunction display (MFD) in the center of the panel, flanked by 10.4" primary flight displays (PFDs) at the pilot and co-pilot positions.

On the central MFD, you'll find essential engine and fuel systems data displayed along with detailed moving-map graphics showing the aircraft's current position in relation to ground features, chart data, nav aids, flight plan routings and more.

Likewise, on the pilot and co-pilot PFDs, a graphical 3-axis flight display incorporates aircraft attitude, airspeed, climb rate, altimeter and horizontal course/heading information – as well as flight director command bar cues and mode information – when teamed with our GFC 700 automatic flight control system (AFCS).

Configured to meet global NextGen airspace modernization initiatives, your King Air's G1000 NXi package provides an integrated, rule-compliant ES transponder for ADS-B "Out" data transmission. It also offers standard ADS-B "In" capability to support weather and advanced traffic displays, including TargetTrend and TerminalTraffic. What's more, optional SVT synthetic vision technology enables a "virtual reality" landscape to be computer generated on the PFDs – with simulations of terrain, obstacles, airports, flight plan routes, weather overlays, traffic and more. In essence, it's like having a clear-day "out-the-window" view of your flight situation, even in solid IFR or nighttime VFR conditions.

SVT™ SYNTHETIC VISION



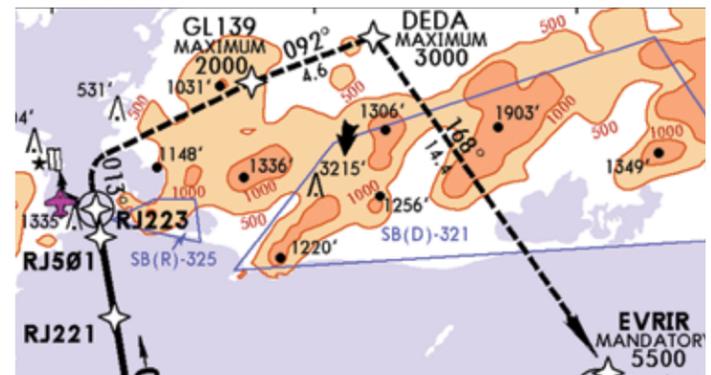
This optional Garmin technology aids situational awareness for pilots by providing a 3-D view of terrain data, obstacles, airports and more on the flight display.

TARGETTREND™ TRAFFIC ALERTING

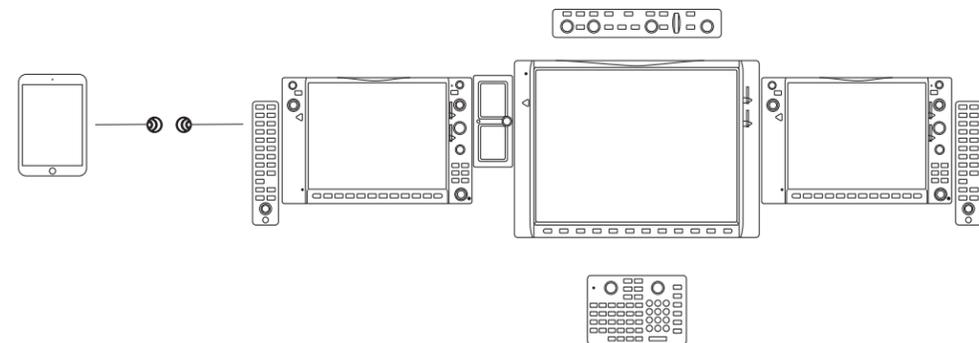


To enhance flight safety, TargetTrend relative motion technology offers pilot a faster, more intuitive way to judge the direction and closure rate of traffic targets in relation to the aircraft's position.

ELECTRONIC FLIGHT CHARTS



Georeferenced FliteCharts® come preloaded on G1000 NXi, enabling the pilot to see the aircraft's position on approach procedures and airport diagrams. Choose standard Garmin FliteCharts or optional Jeppesen®-format ChartView™ electronic charts.



HIGH-LEVEL COCKPIT CONNECTIVITY

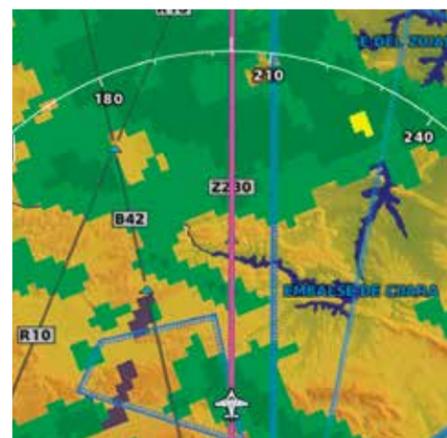
Exclusive Connex[®] cockpit connectivity via the optional Flight Stream 510 wireless gateway lets you stream information in real time between your King Air's avionics and compatible mobile devices running our Garmin Pilot[™] app.

This combination turns your tablet or smartphone into a true cockpit interface – supporting Database Concierge wireless database transfer plus flight plan transfer and continual streaming of SiriusXM[®] weather, traffic, attitude information and more to your compatible mobile display. Add a subscription to SiriusXM audio entertainment, and you can use your mobile device to wirelessly access and control more than 130 channels of audio entertainment from any seat on the aircraft.

GET THE WEATHER WHEREVER

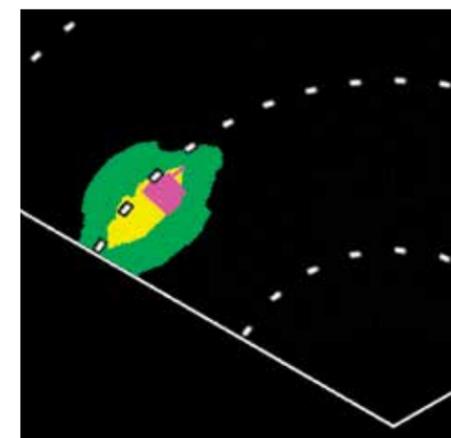
G1000[®] NXi also supports a variety of satellite datalink options to provide up-to-the-minute weather information – with animated NEXRAD imagery, current airport conditions, forecasts, flight restrictions, precipitation, lightning, winds and more. Both the U.S. – sourced ADS-B network and SiriusXM satellite weather services can be accessed from your system (SiriusXM subscription required). Plus, an optional Garmin Connex satellite

link receiver can also bring seamless on-demand worldwide weather information to your cockpit for international operations. Adding tactical weather avoidance capability to the mix, the standard GWX[™] 70 Doppler-capable radar puts a wealth of onboard scanning technology at your fingertips. Its full-color storm cell imagery can be overlaid on your MFD's moving map – as well as on your PFD's HSI map display.



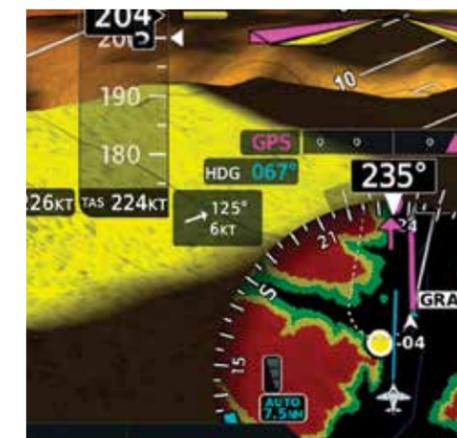
SATELLITE DATALINK WEATHER

Weather datalink capability, via a Sirius XM satellite receiver, provides color NEXRAD imagery, METARs, TAFs, TFRs, surface precipitation, lightning, storm cell data and other data displays that can be received and displayed anywhere in the U.S., regardless of altitude. (Subscription required.)



ONBOARD DIGITAL WEATHER RADAR

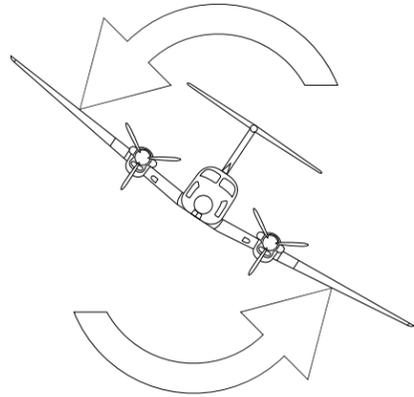
GWX 70 digital Doppler-capable color radar comes standard with the King Air G1000 NXi suite. This fully stabilized radar combines excellent range, target definition and adjustable scanning profiles with such optional capabilities as turbulence detection and ground clutter suppression.



TERRAIN AWARENESS

"Forward looking" terrain avoidance capability with standard Class B (or optional Class A) Terrain Awareness and Warning System (TAWS) is provided with your G1000 NXi upgrade – providing an extra margin of protection against potential terrain/obstacle flight hazards.

ADVANCED AUTOPILOT WITH GARMIN ESP™



With its ultra-smooth 3-axis servo control inputs, the standard GFC™ 700 all-digital flight control system provides your King Air's G1000 NXi package with a superior level of integration and response. The list of capabilities is unprecedented in this class of autopilot and includes the following: airspeed holds, VNAV profiles, coupled holding patterns, coupled go-arounds¹, procedure turns and many others. Pilots will appreciate the positive, consistent response afforded by airspeed-scheduled trim – as well as the silky smooth roundouts and vertical intercepts that the system's advanced software modeling provides on climbs and descents. Another safety-enhancing option available with the King Air G1000 NXi upgrade is our Electronic Stability and Protection (ESP) system². It helps prevent excursions beyond the normal flight envelope by applying a gentle corrective force to the yoke when it detects any excessive pitch and roll. It can even protect from low airspeed when paired with a compatible angle of attack sensor. By proactively helping to keep the aircraft flying within its design limits, ESP can have a significant and immediate effect on safety-of-flight for King Air pilots and their passengers.

LOG DATA, SAVE DOWNTIME

With its built-in Flight Data Logging feature, your King Air's G1000 NXi system automatically stores critical flight and engine parameters on an SD™ data card, giving service crews prompt access to troubleshooting and operational trend information. This recorded data can then be used to identify early signs of engine performance issues and then schedule service to help avoid more costly repairs later.

FLY WITH HIGHER-LEVEL CONFIDENCE

Other key features that are offered as standard with the G1000 NXi suite include dual RVSM-capable ADAHRS units (each of which combines a digital air data computer with the Attitude and Heading Reference System inputs). For the higher-flying King Air 200 and 300/350 series, your G1000 NXi installation includes Reduced Vertical Separation Minimums (RVSM) certification, enabling full operational access to the now-more-restrictive upper flight levels. Designed to be easily updated, your G1000 NXi system's architecture can be counted on to keep pace with evolving technology and airspace requirements. What's more, if your King Air is already equipped with a legacy G1000® system, we've made the new G1000 NXi displays to be pin-for-pin drop-in compatible, so you can upgrade with minimal downtime and expense.

¹Enabled by ESP system, sold separately
²Sold separately



WHAT'S INCLUDED IN THE G1000® NXi RETROFIT FOR YOUR KING AIR:

- LCD flight displays – dual 10" PFDs; large 15" MFD
- Dual integrated radio modules, providing WAAS-certified GPS; VHF navigation with ILS; and VHF communication with 16-watt transceivers and 25 kHz or 8.33 kHz channel spacing
- Dual Mode S, ADS-B "Out" compliant transponders with Extended Squitter
- Dual RVSM-compliant digital ADAHRS integrated air data and attitude/heading reference systems
- 3-axis digital automatic flight control system
- All solid-state color weather radar with stabilization
- Integrated Class-B TAWS terrain alerting with worldwide terrain and U.S. obstacles database
- SiriusXM® satellite radio datalink receiver (subscription required)
- FliteCharts® and SafeTaxi®
- Dual engine information system (EIS)
- Dual digital audio panels
- Pedestal-mounted FMS controller
- All-new instrument panel
- RVSM certified*

AVAILABLE G1000 NXi OPTIONS FOR THE KING AIR RETROFIT:

- Garmin ESP Electronic Stability and Protection system*
- Iridium-based worldwide weather, satellite phone and text messaging*
- Garmin SVT™ synthetic vision technology
- Flight Stream 510 Bluetooth® gateway for Database Concierge wireless database transfer, flight plan uploads and sharing of data via Garmin Pilot™ app on compatible mobile devices
- SurfaceWatch™ runway identification and alerting
- Ground clutter suppression and turbulence detection for GWX™ 70 radar
- Pilot-selectable charting from either FliteCharts or ChartView™
- Class-A TAWS terrain alerting*
- GTS™ 825 TAS or GTS 855 TCAS/ACAS I or GTS 8000 TCAS/ACAS II for active traffic alerting*
- Search and rescue flight plans

*King Air 200 and 300/350 series only
*NOTE: Class A TAWS, GSR 56 Iridium transceiver and GDL® 59 datalogger are only available on the King Air 200 and 300 series airframes.



FIND OUT MORE ONLINE

To learn more about G1000® NXi system retrofit requirements under the Garmin Approved STC List – and to locate the Garmin factory-authorized King Air installation centers in your area – check out garmin.com/kingair. For a fraction of the cost of factory new, you could soon be flying the King Air flight deck of the future.

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