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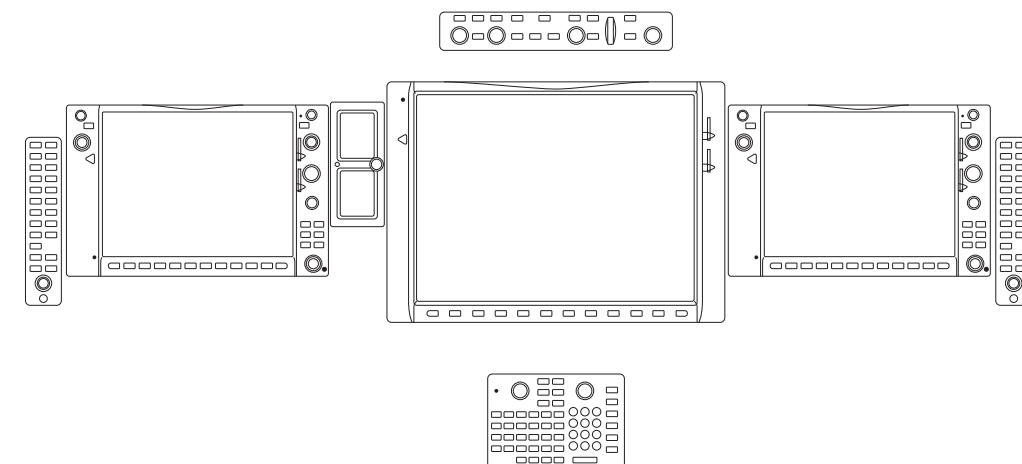
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# G950 NXi

## G950 NXi FLIGHT DECK UPGRADE

For Beech 1900D operators facing avionics-obsolescence issues, dispatch-reliability concerns, and the need to extend the operational life and capabilities of their aircraft, Garmin, in cooperation with AMI Aviation Services, offers a fully integrated flight deck solution that solves each of these problems – and more: the Garmin G950 NXi upgrade.

Based on the groundbreaking G1000 integrated flight deck, G950 NXi can bring even more value, utility and service life to your Beech 1900D cockpit systems. And it can do so while improving situational awareness and efficiency. No other upgrade comes close to the benefits – for anything close to the price.



## UPGRADING YOUR UPGRADE

Consolidating all the primary flight, navigation, weather, terrain, traffic, radio frequency and engine-data readouts once scattered across myriad instruments, next-generation G950 NXi takes the industry's most trusted glass flight deck upgrade platform to a new higher level of performance and capability – with built-in growth provisions for more advanced features yet to come.

Although the NXi series displays look very similar to the earlier-generation G950 versions, a closer look will show that the technology has been significantly upgraded. 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 start-up.

You'll also note an array of new, enhanced operational features and capabilities, including our Connex<sup>®</sup> wireless cockpit connectivity, HSI mapping on your primary flight display, animated NEXRAD datalink weather, optional video input, available Collins APS-65 autopilot integration, substantial overall weight savings and much more.







## ALL GLASS, ALL POWERFUL

In your Beech 1900D cockpit, the G950 NXi glass upgrade package is anchored by a “big picture” multifunction display (MFD) and flanked by primary flight displays (PFDs) at the captain and first-officer positions. Each PFD clearly depicts aircraft attitude, airspeed, climb rate, altimeter and horizontal course/heading information. And with optional Garmin SVT™ synthetic vision technology, your crew can now fly with a realistic 3-D view of topographic features surrounding their aircraft, adding a whole new level of safety. It’s almost like having a clear-day “out-the-window” view – even in solid IFR or nighttime VFR conditions. Plus, SVT offers a flight path vector that predicts your aircraft’s direction to simplify precision flying.

In the center of the panel, you’ll find essential engine and fuel systems data on the G950 NXi’s MFD – 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. Preloaded Garmin FliteCharts® and SafeTaxi® databases come standard with the package (Jeppesen Charts powered by Garmin ChartView™ are optional) to provide electronic versions of AeroNav, Eurocontrol and Nav Canada terminal procedures and approach plates for the U.S., Europe and Canada. There’s also SafeTaxi to

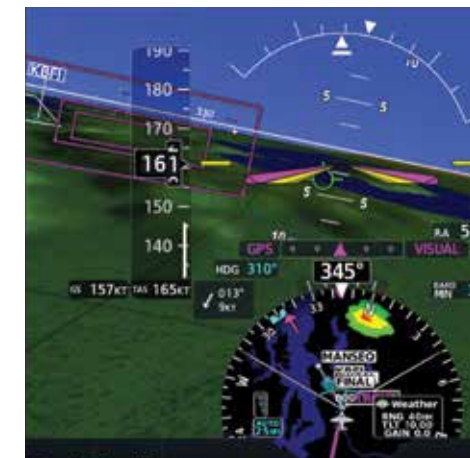
make ground ops seamless by displaying the aircraft’s exact location on the airport.

Plus, the G950 NXi’s MFD map display interfaces with a growing array of remote sensors and tracking systems, making it simple for your crews to selectively overlay graphical weather, lightning, traffic, terrain and other avoidance system advisories. Class A TAWS terrain alerting, with worldwide terrain and U.S. obstacles database, comes standard, and SiriusXM® weather can be added as an option (subscription required). With the SXM link, NEXRAD weather, METARs, TAFs, TFRs, winds aloft, echo tops, surface precipitation, lightning strikes, storm cell data and more can be received, regardless of altitude. As an option, by upgrading to the ADS-B “Out” compliant GTX 345R transponder, you can also get the benefit of subscription-free U.S. weather and datalink traffic capabilities enabled by ADS-B “In”. For wider-ranging options, you can add worldwide weather via the Iridium® network with an optional satellite datalink – or get tactical weather analysis with an optional digital color radar. This fully stabilized, full-color radar features pilot-adjustable horizontal scans up to 120 degrees, as well as useful vertical scanning mode to help analyze storm tops, gradients and cell-buildup activity at various altitudes.



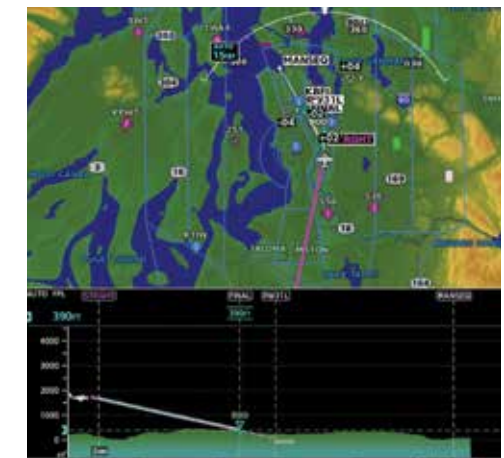
### Onboard Text/Voice Communications

Using ConnexT® satellite services with an optional GSR 56 datalink enables your G950 system to provide inflight voice calling and two-way text messaging to any compatible phone or email address worldwide.



### 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.



### Visual Approaches

For advisory vertical guidance on non-IFR approaches, the G950 NXi system adds 3-degree Visual Approach capability to its WAAS GPS-guided vertical repertoire. Pilots can set customized minimums and follow precise flight path cues to the runway threshold.

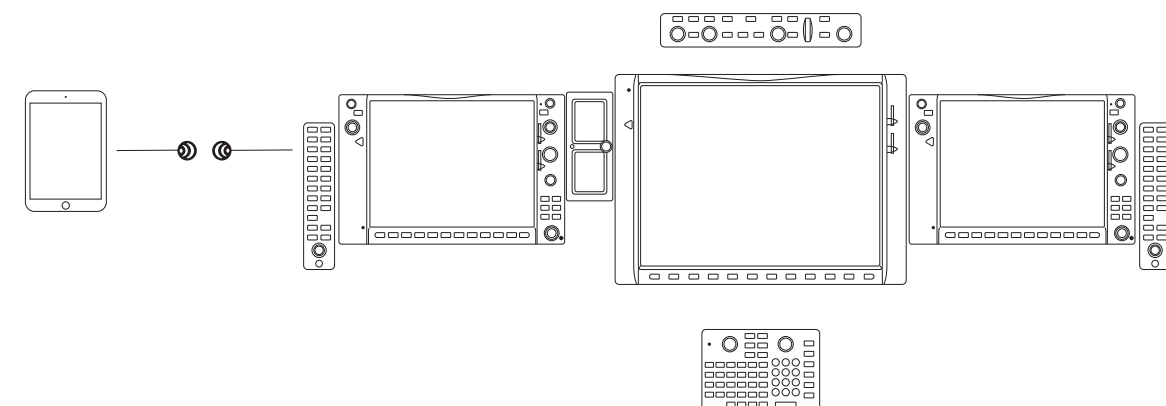
## NEXTGEN BEECH 1900D

G950 NXi’s advanced navigation capabilities, including RNP 0.3, complement its flight-information features. Dual integrated radio modules provide VHF comm, VHF nav with ILS and WAAS/SBAS-certified GPS with LPV. And thanks to that WAAS/SBAS wide-area augmented navigation, thousands of previously fair-weather-only airports now have the potential to offer GPS-guided “glidepath” approaches down to ILS-comparable minimums (as low as 200-ft. decision height, 1/2-mile visibility) – without reference to ground-based navigation aids of any kind. That means your G950 NXi-equipped 1900D comes complete with full Class 3 approach capability.

What’s more, the G950 NXi upgrade provides the perfect opportunity to meet the fast-approaching NextGen deadlines for ADS-B “Out” equipage around the globe, with 1090 MHz extended squitter (ES) transponder capability. When coupled with TCAS I (TCAS II is optional), the system also displays traffic information services (TIS) alerts and provides ADS-B “In” capabilities for comprehensive active traffic monitoring. For European operators, the upgrade meets the 8.33 kHz comm frequency spacing requirement for Eurocontrol airspace operations.

## HIGH-LEVEL COCKPIT CONNECTIVITY

Exclusive ConnexT cockpit connectivity via the optional Flight Stream 510 wireless gateway lets you stream information in real time between your aircraft’s avionics and compatible mobile devices running the Garmin Pilot™ or ForeFlight Mobile apps. 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 130-plus channels of audio entertainment from anywhere in the aircraft.





## ACCESS MORE REMOTE LOCATIONS

A free-gyro mode, enabled by adding the optional GRS 7800 AHRS unit, can further expand the authorized area of operation for your aircraft — allowing you to extend your global sphere of operations and giving you access to more remote locations.



## SAVING WEIGHT – AND WAIT

Not only does the Garmin G950 NXi suite bring the latest avionics capabilities to your Beech 1900D cockpit, but it also removes, on average, 250 lbs of hardware and wiring, too. That's enough weight savings to let you carry an additional adult passenger. Or more baggage and freight. Or more fuel, for longer flights or multi-leg routes.

Better still, more than a decade of continuous award-winning product support and attractive pricing for at-rate repairs allow you to continue your operational savings well past the initial 2-year warranty period. And when viewed from the bottom line, the Garmin G950 NXi upgrade can add significantly to your Beech 1900D's estimated resale values at trade-in time.

All of these capabilities can often be installed on your aircraft during an already-scheduled maintenance inspection — even though the G950 NXi retrofit package replaces most existing avionics equipment and wiring.

That's because we've partnered with AMI Aviation Services, LLC, a wholly owned subsidiary of AeroMech Incorporated. It's an FAA Part 145 Repair Station with parts manufacturer approval (PMA) that specializes in the design, fabrication, kitting, installation, modification, and repair of complex aircraft electrical harnesses and avionics systems. With AMI Aviation's experience in commercial, military and general aviation aircraft, its repair station operations specifications allow the company to install and repair avionics systems in most fixed- or rotary-wing aircraft in its hangar at the Orlando/Sanford International Airport (KSFB) or off-site with no geographical limitation utilizing its "go teams."

When it's time to upgrade your Beech 1900D fleet for the future, there's no other solution that adds all the capabilities of an integrated flight deck with the tangible cost benefits of the Garmin G950 NXi upgrade. It's not just a retrofit. It's fit for the future.

## BEECH 1900D G950 NXi UPGRADE STANDARD FEATURES:

- Three-screen system with dual 10.4" primary flight displays and 15" multifunction display with moving map and engine indicating system
- Dual integrated radio modules providing WAAS/SBAS-certified GPS with LPV, VHF nav with ILS and VHF comm with 25 kHz or 8.33 kHz spacing
- Dual solid-state attitude and heading reference systems (AHRS); optional dual GRS 7800s offer gyro-free mode to eliminate latitude restrictions
- Dual digital air data computers
- Dual audio panels with intercom
- Dual flight director display
- FMS controller with alphanumeric keypad
- Integrated Class-A TAWS with worldwide terrain and U.S. obstacles database
- Traffic collision avoidance system (TCAS I) with dual, quad-pole antennas
- Traffic information service (TIS) alerts
- ADS-B "Out" compliant, dual extended-squitter Mode S transponders; (ADS-B "In" U.S. weather and traffic provided with optional GTX 345R)
- Solid-state full-color Doppler weather radar with 12" antenna, automatic tilt compensation; (optionally available with turbulence detection and ground clutter suppression)
- Garmin SafeTaxi airport diagrams that allow crews to view their position on taxiways with a built-in database of U.S., Canadian or European airport diagrams
- Interface to existing ADF 462, DME 42 and ALT-55B radar altimeter
- Modular rack-mounted LRUs in nose compartment
- Customer-designed checklist capability
- FliteCharts database, which provides departure procedures (DP), standard terminal arrival routes (STARs), AOPA U.S. airport directory data (or optional AC-U-KWIK international airport directory data), approach charts and airport diagrams on the MFD

## OPTIONS

- Synthetic vision technology (SVT), which allows flight crews to see 3-D "virtual reality" database landscapes on the pilot and copilot PFDs — even in solid IFR or nighttime VFR conditions
- Georeferenced Jeppesen charts powered by Garmin ChartView
- Sirius XM weather and radio receiver for in-cockpit weather and music
- Radar altimeter
- TCAS II including resolution advisories, dual, high-power extended squitter transponders and dual diversity antennas
- Iridium satellite receiver for worldwide weather, voice and text messaging to any compatible phone or email address
- Optional integration with Collins APS-65 autopilot
- Optional video input capability

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