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STC SERVICE BULLETIN

NO.: 25031 Rev B

TO: All Garmin Aviation Service Centers
DATE: August 26, 2025 (Originally Issued June 25, 2025)
SUBJECT: Approval of GTN™ Xi Touchscreen Avionics Software Version 21.02
REVISION B: Added FAA Privacy ICAO Address (PIA) Program Note
CERTIFICATION AUTHORIZATION: SA02019SE-D MDL Revision 46 (see Approval section for details)

PRODUCTS AFFECTED

GTN Xi systems installed in accordance with STC SA02019SE-D are affected.

PURPOSE

This STC Service Bulletin provides notification of an update to STC SA02019SE-D, MDL Rev 46.

Updated GTN Xi main software to Software Version 21.02:

- Added interface and support for FANS 1/A(+) - CPDLC FAA Data Comm for GTN 725 Xi and GTN 750 Xi



CAUTION

Unauthorized use of CPDLC En-Route Data Comm services below 16,000 feet is strictly prohibited and will result in the unit being banned from the network. The GDR 66 for CPDLC En-Route Data Comm services is restricted to aircraft listed in the Supplemental Type Certificate (STC) Approved Model List (AML) capable of sustained flight above 16,000 feet. Before installation, make sure the aircraft is included on the latest [En-Route CPDLC Participation List](#).



NOTE

Requires GDR 66 VDL Mode 2 data link radio.



NOTE

The FAA Privacy ICAO Address (PIA) Program is not compatible with FAA Data Comm operations. Customers enrolled in the PIA Program will not be able to use the Data Comm service.

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- Added FAA Data Comm feature enablement which can be shared between two GTN 7XX Xi units
- Added interface and support for the GCO™ 14 Aircraft Carbon Monoxide Sensor
- Changed the text for the fuel on board button on the Fuel Planning page to 'EST Fuel Remaining' when 'Use Sensor Data' is enabled and valid data is received
- Expanded the reverse frequency lookup (RFL) text to show user frequencies name if no RFL text is shown
- Decoded Morse NAV ID text is now green instead of white
- Expanded constraint support to include speed constraints which can be shown on the flight plan page and map when VNAV is enabled
- Fixed an issue related to activating a vertical navigation direct-to, so that an altitude constraint on a new along track waypoint is activated appropriately
- Fixed an issue related to saving a catalog flight plan, so the correct altitude constraint information is shown when editing a catalog flight plan
- Lateral acceleration input was expanded to include ARINC 429 input in addition to HSDB input to help GFC™ 500 Glass Flight Deck installations that are stand-alone G5 and G3XT that interface to GTN via ARINC 429
- Added the following settings in Config Mode (requires Dealer configuration):
 - Installer configurable field to allow the outside air temperature title on the DALT / TAS / Winds page to be either TAT or RAT
 - Ability to export GTN Xi configuration files and human readable configuration summary files to an SD card
 - Aircraft Info page to configuration mode for entry of aircraft Tail Number, aircraft serial number, and ICAO address

GMA 35 and GMA 35C software versions listed in Table 9 are compatible with GTN Xi Main software version 21.02.

DESCRIPTION

This service bulletin provides instructions for locating and downloading STC documents, downloading affected software, and loading affected software to the system.

Refer to Master Drawing List, GTN 6XX/7XX Part 23 AML STC P/N 005-00533-C0, Rev. 46, for the data necessary to incorporate the updates to this STC.

MATERIAL INFORMATION

The STC documentation is downloadable from the Garmin Dealer Resource Center at <https://dealers.garmin.com>.

COMPLIANCE

Recommended: Compliance with this service bulletin is recommended at the next service interval.

APPROVAL

The modifications described in this service bulletin are FAA-approved for installation in accordance with FAA SA02019SE-D. For a list of FAA-approved data for installation, refer to the Master Drawing List, GTN 6XX/7XX Part 23 AML STC P/N 005-00533-C0, Rev. 46.

DOCUMENTATION CONSIDERATIONS

The GTN Xi Series Pilot's Guide (Garmin P/N 190-02327-03) has been updated to Revision G to reflect the changes associated with GTN Xi Series Main software version 21.02.

Applicable documents listed below are required to be issued to the aircraft owner/operator before the aircraft is returned to service, if not already provided.

All documents needed for this bulletin are available at no cost in the Dealer Resource Center on the Garmin website <https://dealers.garmin.com>.

Table 1 GTN Xi Document Considerations

Document Title	Part Number	Revision
Maintenance Manual and ICA, GTN Xi Part 23 AML STC	190-01007-C1	7
AFMS for the Garmin GTN Xi GPS/SBAS Navigation System	190-01007-C2	9
AFMS for the Garmin GTN Xi GPS/SBAS Navigation System VFR Only	190-01007-C3	9

REFERENCES

Refer to Master Drawing List, GTN 6XX/7XX Part 23 AML STC (005-00533-C0), Rev 46.

Refer to Garmin Service Bulletin 25026 for instructions on loading GTN Xi software version 21.02 and a description of TSO authorized changes.

All documents needed for this bulletin are available at no cost in the Dealer Resource Center on the Garmin website <https://dealers.garmin.com>.

MANPOWER

One (1) hour labor per aircraft for single/dual installations.

WARRANTY INFORMATION

Labor reimbursement for the manpower listed above is available for modifications completed by December 31, 2025, or within the equipment's original factory warranty period.

To ensure proper reimbursement when completing the warranty claim indicate the following:

- GTN Xi serial number(s)
- Aircraft serial number
- Aircraft registration number
- Indicate compliance with this service bulletin

MODIFICATION INSTRUCTIONS

To accomplish the modification, complete the installation in accordance with the data listed in Master Drawing List, GTN 6XX/7XX Part 23 AML STC P/N 005-00533-C0, Rev. 46.

Refer to Garmin Service Bulletin 25026 for instructions on loading GTN Xi software version 21.02 and a description of TSO authorized changes.

RETURN TO SERVICE TEST PROCEDURE

For GTN Xi installations, make sure the software versions match those in the GTN Xi Part 23 AML STC Equipment List, 005-00533-L1 Revision 21 or later.