GARMIN.

1200 E. 151st Street
Olathe, KS 66062
913-397-8200

AVIATION SERVICE DOCUMENT NOTIFICATION

TO: GTX™ 35R/GTX 45R/GTX 3X5 Series Owner and Operators

DATE: May 27, 2022

SUBJECT: GTX™ 35R/GTX 45R/GTX 3X5 Series Main Software Version 2.70 and ADS-B Software Version 3.40

CERTIFICATION AUTHORIZATION: TSO Authorization

TSO authorization does not provide installation airworthiness approval. Separate installation airworthiness approval is required for type certified aircraft. Notification of revision to any Garmin STC(s) will be provided under a separate service bulletin.

───

COMPLIANCE

Optional: TSO Service Bulletin 22050 may be incorporated at the owner's discretion.

PURPOSE

GTX 35R/GTX 45R/GTX 3X5 Series Main Software Version 2.70 contains the following changes:

- The Transponder Control Format 1 ARINC 429 input format has been expanded to process altitude data provided by a Mode S control panel (MSCP) using labels 203 and 204
- A new configuration item, Mode S Control Panel Altitude Source, has been added to allow configuration of the resolution of pressure altitude data received from a MSCP
- Unit configuration has been expanded to support selective processing of Traffic Information Systems Broadcast (TIS-B) targets on GTX 345(D)(R) and GTX 45R units, when installed with TAS/TCAS
- A new configuration item, ADS-B Pass-Through Mode, has been added to enable/disable output of ADS-B In data to an ethernet port
- Air/ground determination logic has been improved to prioritize applicable sensor inputs (ground speed, air speed, radio altitude) which indicate airborne conditions over an on-ground remote air state, resulting in an airborne determination
- Added support for AHRS bench calibration using the GTX Install Tool
- Expanded the equipage data provided with ARINC or RS-232 to Garmin GTX 820, 825, 850, or 855 to include the state of the transponder

Please contact your local Garmin Avionics Dealer (http://www.garmin.com/dealers/) for additional information or for questions regarding this notification. This service notification and associated bulletin/advisory product changes can only be implemented through Garmin's authorized dealer and service center network. This document is not a substitute for and cannot be used in lieu of the document(s) referenced above for airworthiness approval.

GTX 35R/GTX 45R/GTX 3X5 Series ADS-B Software Version 3.40 contains the following changes:

- Added support for ADS-B pass-through mode for flight data logging to be available with ethernet
- Updated AHRS algorithms to improve performance of internal AHRS
- Added support to disable processing of airborne TIS-B targets when TIS-B processing is configured for "Enabled for ground traffic only." This is supported when the GTX is installed with a TAS/TCAS.
- Fixed an issue where Bluetooth disconnected when multiple devices were present
- Miscellaneous improvements to traffic correlation

PRODUCTS AFFECTED

The following GTX 35R/GTX 45R/GTX 3X5 series units are affected:

Table 1. Products Affected

Model	Appliance P/N
GTX 325	011-02974-00
GTX 335	011-03300-0( )
GTX 335 NV	011-03300-2( )
GTX 335 GPS	011-03300-4( )
GTX 335R	011-03301-0( )
GTX 335R GPS	011-03301-4( )
GTX 335D	011-04331-00
GTX 335DR	011-04332-00
GTX 345	011-03302-0( )
GTX 345 GPS	011-03302-4( )
GTX 345R	011-03303-0( )
GTX 345R GPS	011-03303-4( )
GTX 345 NV	011-03302-2( )
GTX 345 NV, GPS	011-03302-6( )
GTX 345D	011-04333-00
GTX 345DR	011-04334-00
GTX 35R	011-04286-0( )
GTX 45R	011-04287-0()

Please contact your local Garmin Avionics Dealer (http://www.garmin.com/dealers/) for additional information or for questions regarding this notification. This service notification and associated bulletin/advisory product changes can only be implemented through Garmin's authorized dealer and service center network. This document is not a substitute for and cannot be used in lieu of the document(s) referenced above for airworthiness approval.