



## AVIATION SERVICE DOCUMENT NOTIFICATION

**TO:** Registered Garmin GTN 6XX/7XX Owner and Operators  
**DATE:** September 11, 2017  
**SUBJECT:** Approval of GTN software v6.21, GMA software v4.20A/v4.21C, and installation of the Flight Stream 510 for AML STC SA02019SE-D and EASA STC 10037574 Rev. 5  
**CERTIFICATION APPROVAL:** STC SA02019SE-D MDL Revision 16

### COMPLIANCE

Optional

### PURPOSE

AML STC SA02019SE-D MDL Revision 16 includes:

- software updates for the GTN 6XX/7XX
- software updates for the GMA 35/35c
- software updates for the Flight Stream 210
- installation approval for Flight Stream 510 MMC Data Card

The GTN 6XX/7XX software updates include the following changes:

- Changed to a new Navigation database format that includes support for Visual Reporting Points (VRPs) in some regions. All cataloged flight plans will need to be previewed and approved before activation following the software update.

#### **NOTE**

Following the software update, it will be required to update the Navigation database.

- Added support for Flight Stream 510 including Database Concierge wireless database updates, flight plan transfers, and weather and traffic forwarding.
- Added support for database SYNC for transferring databases between Garmin displays. Database SYNC also supports streaming charts to another Garmin display before the entire database has transferred.

#### **NOTE**

Database SYNC must be configured as enabled on the GTN and capability must be enabled for the aircraft on fly.garmin.com. Chart streaming must be enabled on the System Setup page.

- Enabled COM and NAV radio controls, GDL 88 control panel, audio panel controls, and transponder controls earlier following the initial “Garmin” splash screen instead of after database verification.
- Added support for pinch-to-zoom on map pages.
- Added support for new Telligence™ Voice Commands with a GMA 35/35c or GMA 350/350c (not approved under EASA installations).

#### **NOTE**

Refer to the GTN 6XX/7XX Telligence Voice Command Guide, P/N 190-01007-50, for more information. Telligence Voice Command requires a push-to-command switch to be wired for the pilot and (optionally) copilot and the feature must be enabled on the Audio configuration page.

- Added support for controlling text and voice services enabled by a GSR 56 datalink from Garmin Pilot using a Flight Stream 510 (software version 2.10 or later) or Flight Stream 210 (software version 2.50 or later).

#### NOTE

The GSR 56 does not need to be connected to the Flight Stream 210 for this functionality as the GTN will forward the data between the GSR 56 and the Flight Stream.

- Added support for selecting SafeTaxi Hot Spots the main map page. Once selected, press the **Hot Spot Info** button to view more information.
- Added controls for clearing the flight plan catalog of all flight plans or flight plans pending preview.
- Added controls for deleting all user waypoints.
- Added support for displaying a track vector on the main map depicting the current GPS track and groundspeed.
- Improved touch screen performance.
- Added Advanced COM RX Squelch configuration to allow the COM radio sensitivity settings to be adjusted independently for low, mid, and high frequencies in both 8.33 kHz and 25 kHz channel spacing modes.
- Added “Internal” COM sidetone configuration to improve the audio quality of the COM sidetone.
- Fixed issue where the GTN would provide an incorrect message regarding the HSI course setting.

MDL Rev. 16 approves the following for the GMA 35/35c:

- Expanded Telligence™ Voice Command features (not approved under EASA installations).
- Added support for Bluetooth® audio to be used with phone/tablet applications such as Siri on Apple devices and the Google app on Android™ devices (GMA 35c).
- Improved robustness of Bluetooth music streaming (GMA 35c)
- Reduced start-up time.

The Flight Stream software include the following changes:

- Incorporate Database Concierge (new GTN UI associated with the database loading process)
- GSR 56 SMS Messaging between PED and GTN using Flight Stream 210 and 510
- Exporting GSR 56 weather via Flight Stream

#### NOTE

Flight Stream 510 database concierge requires an active subscription to Garmin Pilot.

### **PRODUCTS AFFECTED**

GTN 6XX/7XX navigators, GMA 35/35c audio panels and Flight Stream 210/510 installed using Approved Model List (AML) Supplemental Type Certificate (STC) SA02019SE-D or EASA STC 10037574 Rev. 5 are affected.

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