MOONEY INTERNATIONAL CORPORATION
SPECIAL LETTER

SUBJECT: To ADVISE MOONEY OWNERS/OPERATORS of the **GARMIN Service Bulletin No.: 1831 Rev A - Dated: May 31, 2018 - Subject: Flight Stream 510 Software Upgrade to Version 2.40**

MODELS/
S/N AFFECTED: Refer to - **GARMIN Service Bulletin No.: 1831 Rev A - Dated: May 31, 2018 - Subject: Flight Stream 510 Software Upgrade to Version 2.40 (See attached document)**

TIME OF
COMPLIANCE: Refer to - **GARMIN Service Bulletin No.: 1831 Rev A - Dated: May 31, 2018 - Subject: Flight Stream 510 Software Upgrade to Version 2.40 (See attached document)**

INTRODUCTION: Flight Stream 510 Software Version 2.40 contains the following changes:
- Improved robustness of flight data log streaming
- Improved Bluetooth reliability
- Fixed issue that caused the GTN to not install databases loaded to the Flight Stream 510 from a PC
- Fixed issue that caused SXM weather to no be sent to the portable device when the Flight Stream 510 is installed with a GDL 69 SXM without an audio subscription
- Other functionality enabled by a future display LRU software update

Refer to the attached for more information.

INSTRUCTIONS: Refer to - **GARMIN Service Bulletin No.: 1831 Rev A - Dated: May 31, 2018 - Subject: Flight Stream 510 Software Upgrade to Version 2.40 (See attached document)**

WARRANTY: Refer to - **GARMIN Service Bulletin No.: 1831 Rev A - Dated: May 31, 2018 - Subject: Flight Stream 510 Software Upgrade to Version 2.40 (See attached document)**

REFERENCE
DATA: Refer to - **GARMIN Service Bulletin No.: 1831 Rev A - Dated: May 31, 2018 - Subject: Flight Stream 510 Software Upgrade to Version 2.40 (See attached document)**

PARTS LIST: Refer to - **GARMIN Service Bulletin No.: 1831 Rev A - Dated: May 31, 2018 - Subject: Flight Stream 510 Software Upgrade to Version 2.40 (See attached document)**

GARMIN.

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

SERVICE BULLETIN

NO.: 1831 Rev A

TO: All Garmin Aviation Service Centers

DATE: May 31, 2018

SUBJECT: Flight Stream 510 Software Upgrade to Version 2.40

**CERTIFICATION
AUTHORIZATION:** TSO Authorization (see Approval section for details)

PRODUCTS AFFECTED

Garmin Flight Stream 510 (011-03595-( )) units with software version 2.33 or earlier are affected.

PURPOSE

Flight Stream 510 Software Version 2.40 contains the following changes:
- Improved robustness of flight data log streaming
- Improved Bluetooth reliability
- Fixed issue that caused the GTN to not install databases loaded to the Flight Stream 510 from a PC
- Fixed issue that caused SXM weather to no be sent to the portable device when the Flight Stream 510 is installed with a GDL 69 SXM without an audio subscription
- Other functionality enabled by a future display LRU software update

DESCRIPTION

This modification consists of upgrading Flight Stream 510 software to version 2.40 (P/N 006-B2021-40).

COMPLIANCE

Optional: This bulletin may be incorporated at the owner's discretion and is not warranty reimbursable.

APPROVAL

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.

Flight Stream 510 Software Version 2.40 is TSO approved. The change is minor per 14 CFR 21.619.

MANPOWER

One-half (1/2) hour labor per aircraft.

WARRANTY INFORMATION

This modification is not warranty reimbursable.

SOFTWARE INSTALLATION AND VERIFICATION INSTRUCTIONS

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│ **NOTE** │
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Before starting, make sure the installation airworthiness approval includes Flight Stream 510 software version 2.40.

The following items are required to complete this update:
- A compatible portable device with an active Dealer Mode subscription
- An active Garmin Pilot account
- Garmin Pilot iOS version 9.1.5 or later

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│ **NOTE** │
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To activate Dealer Mode, contact Aviation Product Support at (888) 606-5482. Request access to update Flight Stream firmware as a Garmin Dealer.

To update Flight Stream software, complete the following steps:
1. Connect to the Flight Stream device using Bluetooth.
2. Open the Garmin Pilot application.
3. From the Home screen, select the **SETTINGS** key.

Figure 1. Garmin Pilot Home Screen

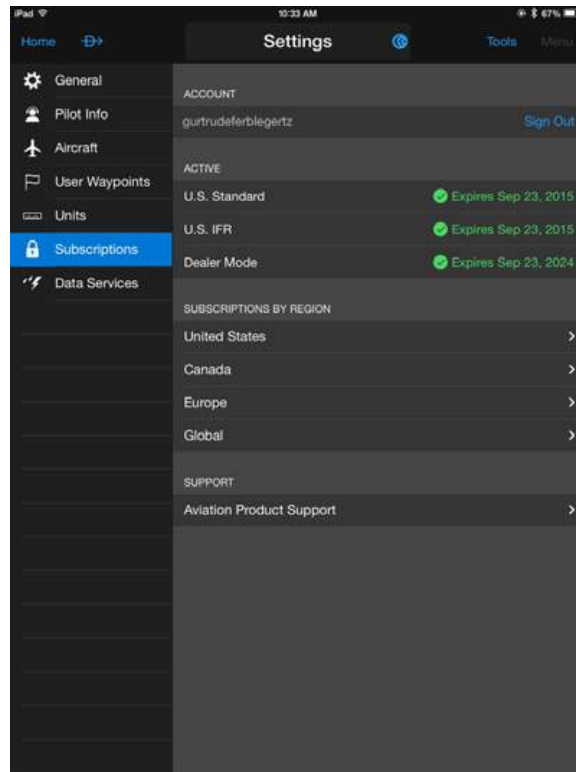4. Make sure **Dealer Mode** shows as an active subscription.

Figure 2. Garmin Pilot Settings Screen

5. Select the **HOME** key.
6. Select the **Connext** key.
7. Select the **Firmware** key.
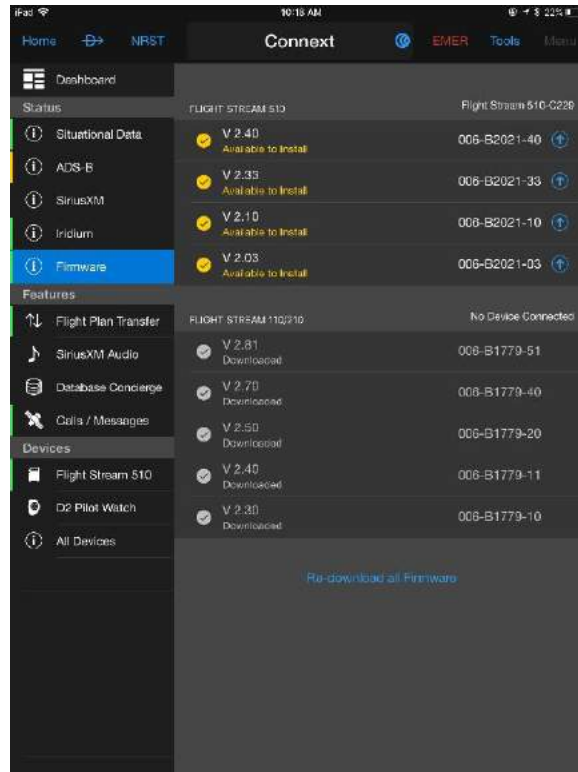8. Select Flight Stream 510 software version 2.40.

Figure 3. Garmin Pilot Connext Screen

9. Flight Stream 510 software updates must be installed over Wi-Fi. Select **Update over Wi-Fi** to enable the Flight Stream 510 Wi-Fi network.
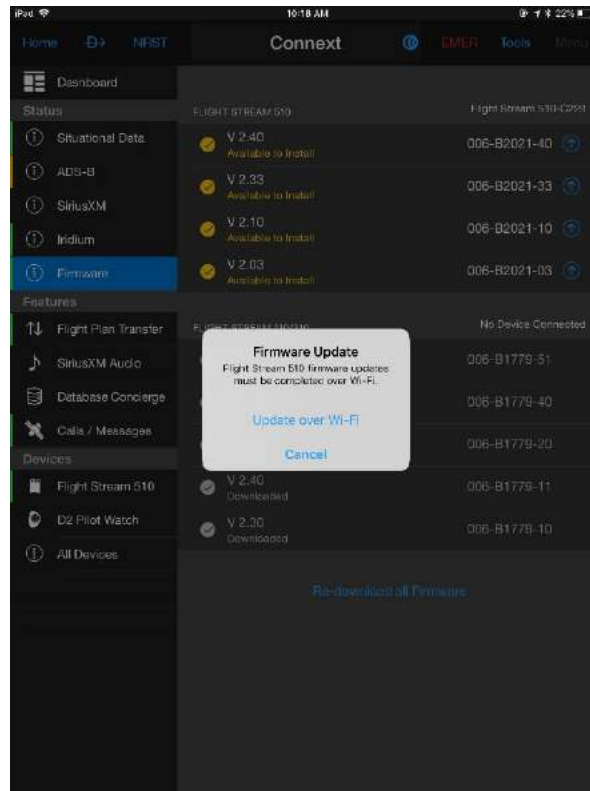

Figure 4. Firmware Update Wi-Fi Popup

10. Connect the portable device to Flight Stream 510 Wi-Fi network. The network password can be found on the Flight Stream 510 setup page of the LRU.
11. Open the Firmware page of Garmin Pilot again.
12. Select **Update Firmware**.
13. Select software version 2.40.
14. Select **Begin Firmware Update** on the following popup screens.

CAUTION

Do not remove Flight Stream device or stop power to the LRU while updating firmware.

15. The Flight Stream device will reboot once updated. Allow the Flight Stream device to reconnect to Garmin Pilot.

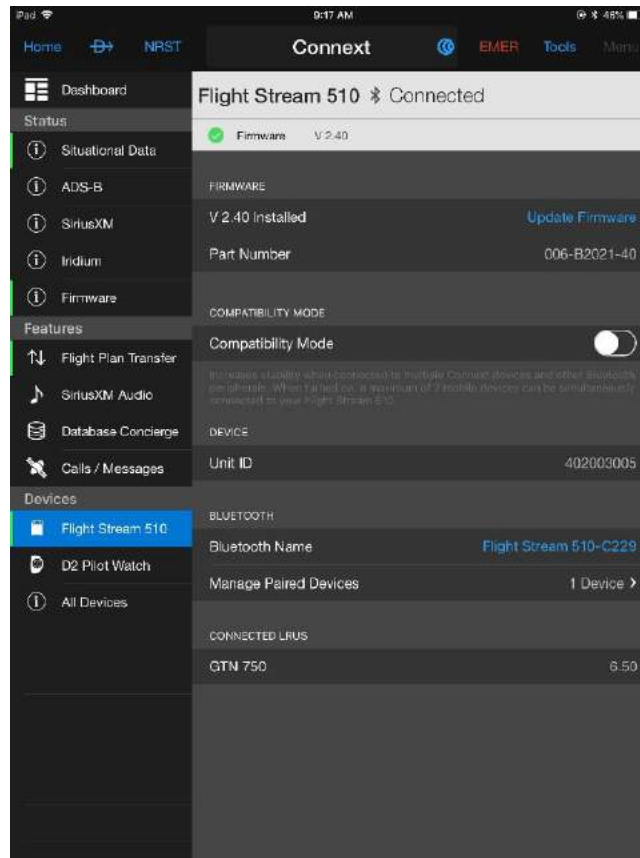16. Make sure the firmware version now displays the updated software version.

Figure 5. Updated Flight Stream

MODIFICATION INSTRUCTIONS FOR LOADING TO OLDER SOFTWARE VERSION

Perform the steps in the Software Installation and Verification section on this bulletin and select the desired older software version.

RETURN TO SERVICE TEST PROCEDURE

Successful completion of the Software Installation and Verification instructions of this Service Bulletin is adequate to return the Flight Stream 510 to service after the software modification.