

United States of America
Department of Transportation -- Federal Aviation Administration
Supplemental Type Certificate

Number SA02015SE-D

This certificate issued to

Garmin International, Inc.
1200 East 151st Street
Olathe, KS 66062

certifies that the change in the type design for the following product with the limitations and conditions therefore as specified hereon meets the airworthiness requirements of Part 23 of the Federal Aviation Regulations.*

Original Product--Type Certificate Number: *See attached Approved Model List (AML) No. SA02015SE-D
Make: dated February 5, 2014 or later FAA-approved revision for list of
Model: approved aircraft models and applicable airworthiness regulations.

Description of Type Design Change:

Installation of Garmin G500 Primary Flight Display (PFD) and Multifunction Display (MFD) System in accordance with Master Drawing List G500 PFD/MFD System AML STC, 005-00570-13, Revision 13 dated February 5, 2014, or later FAA approved revision; Airplane Flight Manual Supplement, G500 PFD/MFD System AML STC, 190-01102-01, Revision 9 dated February 4, 2014, or later FAA approved revision; and G500 PFD/MFD System Instructions for Continued Airworthiness, 190-01102-00, Revision 5 dated December 11, 2012, or later FAA approved revision.

Later FAA-approved revisions to the data listed above are incorporated without further amendment to this STC.

Limitations and Conditions:

1. Compatibility of this design change with previously approved modifications must be determined by the installer.
2. A copy of this certificate must be maintained as part of the permanent records for the modified aircraft.
3. If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.
4. Aircraft equipped with Garmin G1000 Integrated Cockpit System are not eligible for this STC.

(See Continuation Sheet)

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: June 3, 2009

Date reissued:

Date of issuance: July 30, 2009

Date amended: February 23, 2011, January 23, 2013,
February 5, 2014



By direction of the Administrator

(Signature)

Michael Warren
ODA STC Unit Administrator
ODA-240087-CE
Garmin International, Inc.

(Title)

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

INSTRUCTIONS: The transfer endorsement below may be used to notify the appropriate FAA Regional Office of the transfer of this Supplemental Type Certificate.

The FAA will reissue the certificate in the name of the transferee and forward it to him.

Transfer the ownership of Supplement Type Certificate Number _____

To *(Name of transferee)* _____

(Address of transferee) _____
(Number and street)

(City, State and Zip code)

From *(Name of grantor) Print or type* _____

(Address of grantor) _____
(Number and street)

(City, State and Zip code)

Extent of Authority (if licensing agreement): _____

Date of Transfer: _____

Signature of grantor *(To Ink)*: _____

United States of America
 Department of Transportation - Federal Aviation Administration
Supplemental Type Certificate
 (Continuation Sheet)

Number SA02015SE-D

Date of Issuance: July 30, 2009
 Date Amended: February 23, 2011, January 23, 2013,
 February 5, 2014

***Certification Basis**

Based on 14 CFR §§ 21.115 and 21.101, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for this change is as follows:

- a. The certification basis for parts **not changed** or **not affected** by this change is shown on the attached AML.
- b. The certification basis for parts **changed** or **affected** by this change is:

Regulations at the latest amendment: No Amdt through 23-61

| Section | Amdt. | Section | Amdt. |
|---------------------------------|--------------|---------------------|--------------|
| 23.301(a)(b)(c) | 23-48 | 23.1325(b)(1)(2) | 23-50 |
| 23.303 | No Amdt | 23.1327(a) | 23-20 |
| 23.305(a)(b) | 23-45 | 23.1329(h) | 23-49 |
| 23.307(a) | No Amdt | 23.1331(a)(b)(1) | 23-43 |
| 23.337 | 23-48 | 23.1335 | 23-20 |
| 23.561(a)(b)(3) | 23-48 | 23.1351(a)(1)(2)(i) | 23-49 |
| 23.603 | 23-23 | 23.1353(h) | 23-49 |
| 23.605(a) | 23-23 | 23.1357(a)(b)(d) | 23-43 |
| 23.607(a)(b) | 23-48 | 23.1359(c) | 23-49 |
| 23.609 | No Amdt | 23.1365(a)(b)(d)(e) | 23-49 |
| 23.611 | 23-48 | 23.1367 | No Amdt |
| 23.613(a)(b) | 23-45 | 23.1381(a)(b) | No Amdt |
| 23.771(a) | 23-14 | 23.1431(a)(b) | 23-49 |
| 23.773(a)(2) | 23-45 | 23.1501 | 23-21 |
| 23.777(a)(b) | 23-51 | 23.1523 | 23-34 |
| 23.867(a)(b)(c) | 23-49 | 23.1525 | 23-45 |
| 23.1301 | 23-20 | 23.1529 | 23-26 |
| 23.1303(a)(b)(c)(d)(e)(f) | 23-49 | 23.1541(a)(b) | 23-21 |
| 23.1306 | 23-61 | 23.1543(b)(c) | 23-50 |
| 23.1307 | 23-49 | 23.1545(a)(b)(c)(d) | 23-50 |
| 23.1308(a)(b)(c) | 23-57 | 23.1555(a)(b)(e)(2) | 23-50 |
| 23.1309(a)(1)(2)(3)(b)(c)(d)(e) | 23-49 | 23.1559(c) | 23-50 |
| 23.1311 | 23-49 | 23.1581(a)(b)(c)(f) | 23-50 |
| 23.1321(a)(c)(d)(e) | 23-49 | 23.1583(h)(m) | 23-50 |
| 23.1322 | 23-43 | 23.1585(j) | 23-50 |
| 23.1323(a) | 23-49 | | |

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