

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

*Number* ST01812WI

*This certificate issued to* Garmin International, Inc.  
1200 East 151<sup>st</sup> 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 25\* of the Federal Aviation Regulations.*

*Original Product--Type Certificate*

*Number:* A53EU  
*Make:* ATR  
*Model:* ATR 42-200/-300/-320  
ATR 72-101/-102/-201/-202  
ATR 72-211/-212/-212A

*Description of Type Design Change:*

Installation of dual Garmin GTN 725 GPS Navigator System with dual Garmin GA36 WAAS/GPS antennas.

**Required Data:**

- (1) Garmin Master Drawing List (MDL) 005-00761-25, Revision 1, dated 02/25/2016
- (2) Airplane Flight Manual Supplement, Dual Garmin GTN 725 Installation, ATR 42, 190-01616-03 (ATR 42), Revision 1, dated 02/25/2016
- (3) Airplane Flight Manual Supplement, Dual Garmin GTN 725 Installation, ATR 72, 190-01616-04 (ATR 72), Revision 1, dated 02/25/2016
- (4) System Maintenance Manual, Dual GTN 725 Installation, ATR 42 / 72, Contains Instructions for Continued Airworthiness, 190-01616-01, Revision 5, dated 02/25/2016

**or**

- (5) Master Document List, STC Twenty One Ref. S21.MDL-1124
- (6) AFM supplement S21.FMS-0099 (ATR 42)
- (7) AFM supplement S21.FMS-0105 (ATR 72)
- (8) System Maintenance Manual, Dual GTN 725 Installation, ATR 42 / 72, Contains Instructions for Continued Airworthiness, 190-01616-01, Revision 5, dated 02/25/2016

See Limitations and Conditions for detailed explanation for Items 5 through 7.

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

*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:* April 19, 2013

*Date of issuance:* February 25, 2016

*Date reissued:*

*Date amended:*

*By direction of the Administrator*



Original signed by Robert Murray  
(Signature)

Robert G. Murray  
ODA STC Unit Administrator  
ODA-240087-CE  
Garmin International, Inc.

(Title)

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.

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Transfer the ownership of Supplement Type Certificate Number \_\_\_\_\_

To *(Name 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 *(In Ink)*: \_\_\_\_\_

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

*Number* ST01812WI

*Date of issuance:* February 25, 2016

*Date Amended:*

*Limitations and Conditions:*

- (1) Compatibility of this design change with previously approved modifications must be determined by the installer. This approval is limited to the aircraft complying with prerequisite aircraft configuration defined in Garmin document "ATR 42/72 Pre Modification Configuration & KLN 900 & KLN 90B GPS System Removal, Dual GTN 725 Installation" Ref. 005-00761-00 Revision 2 dated February 2014 or later FAA approved versions.
- (2) EASA STC 10048231 originally approved the installation of dual Garmin GTN 725 GPS Navigator Systems with dual Garmin GA 36 WAAS/GPS antennas on ATR 42 and ATR 72 series aircraft. EASA STC 10048231 was transferred to Garmin International, Inc. and issued as FAA STC Number ST01812WI.  
Aircraft modifications previously completed in accordance with EASA STC 10048231 by the data listed below remain valid. Any future modification or update to these aircraft concerning installation of dual Garmin GTN 725 GPS Navigator System must be conducted using the Required Data, Items 1, 2, 3 and 4.

The Supplement Manual, STC Twenty One, ref. S21.TEC-0392, is replaced by Required Data, Item 8.

Master Document List, STC Twenty One, ref. S21.MDL-1124:

- Issue 1, dated 21 February 2014
- Issue 2, dated 24 February 2014
- Issue 3, dated 30 April 2014
- Issue 4, dated 20 June 2014
- Issue 5, dated 24 June 2014
- Issue 6, dated 17 June 2015
- Issue 7, dated 08 October 2015

AFM supplement S21.FMS-0099 (ATR 42):

- Issue 1, dated February 2014
- Issue 2, dated June 2015

AFM supplement S21.FMS-0105 (ATR 72):

- Issue 1, dated February 2014
- Issue 2, dated June 2015

- (3) Additional airframe configuration requirements are defined in the data shown on the Garmin Master Drawing List (MDL) identified above.
- (4) Aircraft modified by this STC must be operated in accordance with the Airplane Flight Manual Supplement (AFMS) identified above.
- (5) Aircraft modified by this STC must be maintained in accordance with the Instructions for Continued Airworthiness (ICA) identified above.
- (6) The ATR 72-212A "600 version" is not covered by this modification.
- (7) If the holder agrees to permit another person to use this certificate to alter the product, the holder must give the other person written evidence of that permission.

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*Date Amended:*

**\*Certification Basis**

Based on 14 CFR §§ 21.115 and 21.101, and FAA Order 8110.48, the type certification basis for the ATR 42-200/-300/-320 and ATR 72-101/-102/-201/-202/-211/-212/-212A# for this change is as follows:

#ATR 72-212A "600 version" is not covered by this modification.

- a. The certification basis for parts **not changed or not affected** by this change is shown on TCDS A53EU.
- b. The certification basis for parts **changed or affected** by this change is:

<u>Section</u>	<u>Amdt</u>	<u>Section</u>	<u>Amdt</u>	<u>Section</u>	<u>Amdt</u>
25.1(a)	Original	25.611	25-23	25.1329(h)	25-46
25.29(b)	25-42	25.613(a)(b)(c)(d)(e)	25-46	25.1351(a)(d)	25-41
25.301(a)(b)(c)	25-23	25.615(a)	25-23	25.1353(a)(b)	25-42
25.303	25-23	25.619(a)(b)(c)	25-23	25.1355(c)	25-38
25.305(a)(b)(c)	25-54	25.625(a)	25-23	25.1357(a)(c)	Original
25.307(a)(b)	25-54	25.771(a)(e)	25-4	25.1359(a)(d)	25-32
25.321(a)	25-23	25.773(a)	25-121	25.1360(a)	25-123
25.333(a)	Original	25.777(a)	25-46	25.1381(a)(b)	25-72
25.341(a)(b)	Original	25.789(a)	25-46	25.1431(a)(b)(c)	Original
25.365(a)(b)(c)(d)	25-54	25.853(a)	25-66	25.1501(b)	25-42
25.561(a)(b)(c)	25-23	25.863(a)(b)(3)	25-46	25.1523	25-3
25.571(a)(b)	25-54	25.899(a)(b)	25-123	25.1525	Original
25.581(a)(b)	25-23	25.1301(a)(b)	25-123	25.1529	25-54
25.601	Original	25.1302(a)(b)(c)(d)	25-137	25.1541(a)(b)	Original
25.603(a)(b)(c)	25-46	25.1307(c)	25-54	25.1555(a)	Original
25.605(a)	25-46	25.1309(a)(b)(c)(d)(e)	25-123	25.1581(a)(1)(2)(b)	25-72
25.607(a)(b)(c)	25-23	25.1321(a)(b)(e)	25-41	25.1583(e)	25-72
25.609(a)(b)	Original	25.1322(a)(b)(c)(d)	25-38	25.1585(a)	25-46

Based on 14 CFR §21.101(g), applicable provisions of 14 CFR part 26 are included in the certification basis. For any future 14 CFR part 26 amendments, the holder of this STC must demonstrate compliance with the applicable sections. As of the issuance date of this STC, compliance has been found for the following regulations:

<u>Section</u>	<u>Amdt</u>
26.11(c)	26-0
26.47(c)	26-1

This modification has been reviewed per the guidance provided in FAA AC 25-27A. It has been determined that the modification does not necessitate a revision to the ATR 42 / 72 EWIS ICA. The documents and their relevant sections which contain or are related to EWIS ICA listed by *Compliance EWIS ICA source document for ATR models, DO/TC-2467/09, Issue 06* are still valid and applicable for aircraft modified by FAA STC ST01812WI for the Installation of dual Garmin GTN 725 GPS Navigator System with dual Garmin GA36 WAAS/GPS antennas.

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