



United States of America  
Department of Transportation  
Federal Aviation Administration

# Supplemental Type Certificate

Number: ST03355AT

This certificate issued to: Aircraft Radio & Avionics, LLC  
5415 NW 36<sup>th</sup> Street  
Miami Springs, FL 33166

*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:** A16WE      **Make:** Boeing  
**Model:** 737-300, -400

*Description of Type Design Change:* Dual Installation of Universal Avionics EFI-890R EFIS on Boeing 737-300/-400 aircraft series. Installation includes 4 Flat Panel Multi Function Displays to provide a Primary Flight Display (PFD) and a Nav Display (ND) for the pilot and co-pilot, as replacement of the existing indicators, two Data Concentrator Units to interface discretes and FMS data busses, and two Vision-1 Computers that hold the terrain data base which provide Egocentric and Exocentric views on the PFD/ND respectively. This installation is in accordance with ARC Avionics Master Data List 750-053005, Rev-H, dated November 24, 2009, or later FAA approved rev's.

*Limitations and Conditions:* "FAA Approved Flight Manual Supplement, ARC Avionics document 730-053005 for Boeing 737-300/-400 series Aircraft, Rev-B, dated February 23, 2011, or later FAA approved revisions, is a part of this STC. This approval should not be extended to other aircraft of this model on which other previously approved modifications are incorporated, unless it is determined by the installer that the interrelationship between this change and any other previously approved modifications will produce no adverse effect upon the airworthiness of that airplane. 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."

(See continuation sheet 3 of 3)

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

Date of Application: July 09, 2005

Date Reissued: April 17, 2007, May 23, 2017, July 27, 2017

Date of Issuance: November 21, 2006

Date Amended: April 25, 2008, August 24, 2010  
February 23, 2011

By Direction of the Administrator

Signature

Title (for) Christina M. Underwood, Manager  
Atlanta Aircraft Certification Office

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both. This certificate may be transferred or made available to third persons by licensing agreements in accordance with 14 CFR 21.47. Possession of this Supplemental Type Certificate (STC) document by persons other than the STC holder does not constitute rights to the design data nor to alter an aircraft, aircraft engine, or propeller. The STC's supporting documentation (drawings, instructions, specifications, flight manual supplements, etc.) is the property of the STC holder. An STC holder who allows a person to use the STC to alter an aircraft, aircraft engine, or propeller must provide that person with written permission acceptable to the FAA. (Ref. 14 CFR 21.120).



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**Supplemental Type Certificate**  
(Continuation Sheet)  
**ST03355AT**

Date of Issuance: November 21, 2006  
Date Amended: February 23, 2011  
Date Reissued: May 23, 2017, July 27, 2017

*Limitations and Conditions (Continued):*

**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 parts changed or affected by the change since the last STC Amendment application, December 12, 2007, is based upon the following Title 14 Part 25 Code of Federal Regulations and amendments:

§25.301(a)(b)(c), Amdt. 25-23	§25.305(a)(b), Amdt. 23-86	§25.307(a), Amdt. 25-72
§25.601, Orig.	§25.603 (a), Amdt. 25-46	§25.605 (a)(b), Amdt. 25-46
§25.607 (a)(b)(c), Amdt. 25-23	§25.609 (a), Orig.	§25.611, Amdt. 25-123
§25.613(a)(b)(c)(d)(e), Amdt. 25-112	§25.619 (a), Amdt 25-23	§25.1301 (a)(b)(c)(d), Orig.
§25.1303 (a)(b)(c), Amdt. 25-90	§25.1307, Orig.	§25.1309 (a)(b)(c)(d)(e)(f)(g), Amdt. 25-41
§25.1316 (a)(b)(c), Amdt. 25-80	§25.1317, (a)(b)(c)(d), Amdt 25-122	§25.1321 (a)(b)(c)(d)(e), Amdt. 23-41
§25.1322 (a)(b)(c)(d), Amdt. 25-38	§25.1331 (a)(b), Amdt. 25-41	§25.1351 (a), Amdt. 25-72
§25.1353 (a)(b)(d), Amdt. 25-123	§25.1357(a)(b)(c)(d)(e), Orig.	§25.1381 (a)(b), Amdt. 25-72
§25.1431 (a)(b)(c)(d), Amdt. 25-113	§25.1501 (a)(b), Amdt. 25-42	§25.1519, Orig.
§25.1529, Amdt. 25-54	§25.1541, Orig.	§25.1543 (a)(b), Amdt. 25-72
§25.1581(a)(b)(d), Amdt 25-72	§25.1585 (a)(b), Amdt. 25-105	

**14 CFR Part 26 regulations**

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 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: 14 CFR §§ 26.11 (Amdt 26-0).

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