

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

Number ST01021CH

This certificate issued to ElectroSonics Division of AiRadio Corp.
4391 International Gateway
Columbus, OH 43219

certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part 21.29 of the Federal Aviation Regulations.

Original Product - Type Certificate Number : A16NM
Make : Israel Aircraft Industries Ltd
Model : 1125 Westwind Astra; Astra SPX

Description of Type Design Change:

Installation of dual Universal UNS-1C Flight Management Systems per Notice N8110.60, GPS as a Primary Means of Navigation for Oceanic/Remote Operations, in accordance with ElectroSonics Drawing No. ES1125-100075-01, Initial Release, dated February 24, 1999 or later FAA approved revision.

Limitations and Conditions:

1. Compatibility of this design change with previously approved modifications must be determined by the installer.
2. The aircraft must be maintained in accordance with FAA Approved Maintenance Manual Supplement, document number ES1125-100075-200, Revision 1, dated May 17, 1999, or later FAA approved revision in addition to the basic airplane maintenance manuals.

(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, revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application : March 4, 1999

Date reissued :

Date of issuance : March 31, 1999

Date amended : May 17, 1999



By direction of the Administrator

Charles L Smalley
(Signature)

Charles L. Smalley
Manager, Systems and Flight Test Branch
Chicago Aircraft Certification Office

(Title)

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

Number ST01021CH
Date of Issuance: March 31, 1999
Date Amended: May 17, 1999

Limitations and Conditions (Continued):

3. FAA Approved Flight Manual Supplement, Document number ES1125-100075-100, Initial Release, dated March 31, 1999, or later FAA approved revision is required on board aircraft modified in accordance with Option 1 of ElectroSonics drawing ES1125-100075-01, Initial Release, dated February 24, 1999, or later FAA approved revision.
4. FAA Approved Flight Manual Supplement, Document number ES1125-100073-101, Revision 1, dated March 31, 1999, or later FAA approved revision is required on board aircraft modified in accordance with Option 2 of ElectroSonics drawing ES1125-100075-01, Initial Release, dated February 24, 1999, or later FAA approved revision.
5. 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.

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