

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

*Number* SA00812NY

*This certificate issued to*  
Technisonic Industries Limited  
240 Traders Blvd. E  
Mississauga, Ontario L4Z 1W7  
Canada

*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 \* of the \* Regulations.*

*Original Product -- Type Certificate Number:* \*  
*Make:* \*  
*Model:* \*

\*See attached FAA Approved Model List (AML)  
No. SA00812NY for list of approved airplane models and  
applicable airworthiness regulations.

*Description of Type Design Change:*

All TFM-138 series transceiver models are manufactured to TIL Engineering Release 921012, Revision B, dated November 24, 1997. The TFM-403 is manufactured to TIL Engineering Release 941059, Revision A, dated October 27, 1999. The TFM-500 is manufactured to TIL Engineering Release 971083, Revision N/C, dated March 16, 1999. The TFM-30 is manufactured to TIL Engineering Release 961082, Revision N/C, dated April 19, 1999. The Remote Control RC-500 model is manufactured to TIL Engineering Release 991097, Revision N/C, dated November 17, 1999. The TDFM-136 is manufactured to TIL Engineering Release 981087, Revision N/C, dated January 13, 2000. The TFM-550 is manufactured to TIL Engineering Release 991095, Revision N/C, dated March 1, 2000.

(See Continuation Sheets 2 and 3)

*Limitations and Conditions:*

1. Compatibility of this design change with previously approved modifications must be determined by the installer.
2. 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 Sheets 2 and 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 :* December 23, 1997

*Date reissued :* December 2, 2002, March 14, 2003

*Date of issuance :* March 23, 1998

*Date amended :* February 5, 1999; February 15, 2000;  
November 14, 2000; December 18, 2002, February 25, 2003;  
April 8, 2004; September 12, 2005



*By direction of the Administrator*

(Signature)

Anthony Socias  
Manager, New York Aircraft Certification Office

(Title)

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

*Number*    **SA00812NY**

Date of Amendment: September 12, 2005

*Description of Type Design Change* (Continued):

The RC-550 is manufactured to TIL Engineering Release 991099, Revision N/C, dated March 27, 2000. The ATC-550 is manufactured to TIL Engineering Release 991102, Revision N/C, dated March 20, 2000. The TDFM-600/ 6000 Series VHF / UHF Low / UHF High / 800 MHz Multi-Band Transceiver is manufactured to TIL Engineering Release 011210, Revision A, dated June 20, 2004. The Remote Control RC-6000 is manufactured to TIL Engineering Release 021213, Revision N/C, dated October 17, 2002. The TFM-530 VHF/VHF Low FM Multi-band Transceiver model is manufactured to TIL Engineering Release 031216, Revision N/C, dated April 2003. The TFM-566 VHF/VHF Low FM Multi-band Transceiver model is manufactured to TIL Engineering Release 031217, Revision N/C, dated April 2003. The AMS-6000 Audio Mode Selector model is manufactured to TIL Engineering Release 031220, Rev. N/C, dated August 2003, or later Transport Canada approved revision. The TFM-66 VHF Low Band FM Transceiver model is manufactured to TIL Engineering Release 031218, Rev. N/C, dated September 19, 2003, or later Transport Canada approved revision. The TFM-556 VHF High/VHF Low/UHF Multi-band FM Airborne Transceiver model is manufactured to TIL Engineering Release 031219, Rev. N/C, dated September 23, 2003, or later approved revision.

Configuration 1: Installation of Technisonic Industries Limited TFM-138, -138A, and -138B, (does not include TFM-138, s/n 1540 and up, TFM-138B, s/n 1500 and up) in accordance with TIL Installation and Operating Manual 95RE177, Revision E, dated April 1998, or later Transport Canada approved revision.

Configuration 2: Installation of Technisonic Industries Limited TFM-138B, in accordance with TIL Installation and Operating Instructions Manual 97RE221, Revision N/C, dated November 1997, or later Transport Canada approved revision.

Configuration 3: Installation of Technisonic Industries Limited TFM-138C, in accordance with TIL Installation and Operating Instructions Manual 96RE192, Revision B, dated January 1997, or later Transport Canada approved revision.

Configuration 4: Installation of Technisonic Industries Limited TFM-138 (s/n 1540 and up with F10-B Software), in accordance with TIL Installation and Operating Instructions Manual 98RE229, Revision N/C, dated March 1998, or later Transport Canada approved revision.

Configuration 5: Installation of Technisonic Industries Limited TFM-403, in accordance with TIL Installation and Operating Instructions Manual 95RE175, Revision A, dated July 1998, or later Transport Canada approved revision.

Configuration 6: Installation of Technisonic Industries Limited TFM-500 in accordance with TIL Installation and Operating Instructions Manual 98RE243, Revision N/C, dated May 1999, or later Transport Canada approved revision.

Configuration 7: Installation of Technisonic Industries Limited TFM-30 in accordance with TIL Installation and Operating Instructions Manual 98RE244, Revision N/C, dated August 1999, or later Transport Canada approved revision.

Configuration 8: Installation of Technisonic Industries Limited RC-500 in accordance with TIL Installation and Operating Instructions Manual 99RE260, Revision N/C, dated January 2000, or later Transport Canada approved revision.

Configuration 9: Installation of Technisonic Industries Limited TDFM-136 in accordance with TIL Installation and Operating Instructions Manual 99RE255, Revision A, dated March 2000, or later Transport Canada approved revision.

Configuration 10: Installation of Technisonic Industries Limited TFM-550 in accordance with TIL Installation and Operating Instructions Manual 99RE262, Revision A, dated April 2000, or later Transport Canada approved revision.

Configuration 11: Installation of Technisonic Industries Limited RC-550 in accordance with TIL Installation and Operating Instructions Manual 00RE270, Revision N/C, dated March 7, 2000, or later Transport Canada approved revision.

(See Continuation Sheet 3)

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

*Number*    **SA00812NY**

Date of Amendment: September 12, 2005

*Description of Type Design Change* (Continued):

Configuration 12: Installation of Technisonic Industries Limited ATC-550 in accordance with TIL Installation and Operating Instructions Manual 00RE269, Revision A, dated May 8, 2000, or later Transport Canada approved revision.

Configuration 13: Installation of Technisonic Industries Limited TDFM-600/ 6000 series VHF / UHF Low/UHF High/ 800 MHz Multi-Band Transceiver in accordance with TIL Installation and Operating Instructions Manual 01RE293, Revision F, dated July 2004, or later Transport Canada approved revision.

Configuration 14: Installation of Technisonic Industries Limited RC-6000 in accordance with TIL Installation and Operating Instructions Manual 02RE299, Revision A, dated November 2002, or later Transport Canada approved revision.

Configuration 15: Installation of Technisonic Industries Limited TFM-530 VHF/VHF Low FM Multi-band Transceiver in accordance with TIL Installation and Operating Instructions Manual 03RE317, Revision B, dated September 2003, or later Transport Canada approved revision.

Configuration 16: Installation of Technisonic Industries Limited TFM-566 VHF/VHF Low FM Multi-band Transceiver in accordance with TIL Installation and Operating Instructions Manual 03RE318, Revision B, dated September 2003, or later Transport Canada approved revision.

Configuration 17: Installation of Technisonic Industries Limited AMS-6000 Audio Mode Selector in accordance with TIL Installation and Operating Instructions Manual 03RE325, Rev. N/C, dated June 2003, or later Transport Canada approved revision.

Configuration 18: Installation of Technisonic Industries Limited TFM-66 VHF Low Band FM Transceiver in accordance with TIL Installation and Operating Instructions Manual 03RE320, Rev. N/C, dated March 2003, or later Transport Canada approved revision.

Configuration 19: Installation of Technisonic Industries Limited TFM-556 VHF High/VHF Low/UHF Multi-band FM Airborne Transceiver in accordance with TIL Installation and Operating Instructions Manual 03RE328, Rev. N/C, dated September 2003, or later Transport Canada approved revision.

*Limitations and Conditions* (Continued):

3. Maintenance of the TDFM-600/ 6000 series VHF/UHF Low/UHF High/800 MHz Multi-Band Transceiver and RC-6000 Remote Control Head must be in accordance with Technisonic Industries Limited Instructions for Continued Airworthiness MMS02030-1, Rev. B, Transport Canada Accepted December 12, 2003.
4. Maintenance of the TFM-530 and TFM-566 VHF/VHF Low FM Transceiver must be in accordance with Technisonic Industries Limited Instructions for Continued Airworthiness MMS03055-1, Revision N/C, dated October 7, 2003.
5. Pressure vessel penetrations are not included in this approval. Any required pressure vessel penetrations require a separate approval.
6. Maintenance of the AMS-6000 Audio Mode Selector must be in accordance with Technisonic Industries Limited Instructions for Continued Airworthiness MMS02030-1 Rev. C, dated August 30, 2005, or later Transport Canada approved revision.
7. Maintenance of the TFM-66 VHF Low Band FM Transceiver and TFM-556 VHF High/HF Low/UHF Multi-band FM Airborne Transceiver must be in accordance with Technisonic Industries Limited Instructions for Continued Airworthiness MMS03099-1 Rev. A, dated August 30, 2005.
8. A copy of this certificate and the FAA Approved Model List (AML) No. SA00812NY, issued March 23, 1998, or later FAA approved revisions, must be maintained as part of the permanent records for the modified aircraft.

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