TECHNICAL NOTE TN-1241b-SR

5010, 5015, 5018, 5020 Firmware Upgrade to 2.18 & TOP-CPA Upgrade to 4.13.00

19 December 2006 (Updated 12 February 2007)

Applicability

This Technical Note applies to the firmware utilised in the Tait Orca 5010, 5015, 5018 and 5020 Conventional radios.

It also applies to the TOP Conventional Programming Application v4.13.00 used to read / program radio personality files.

1.   Introduction

The Orca Conventional Firmware v2.18 has been released to manufacturing to replace the previous firmware (v2.17) that was being installed in Tait Orca 5010, 5015, 5018 and 5020 Conventional products.

Version 2.18 firmware was first implemented in an Orca TOP-H2510-B0, radio serial number 14368607, job 103036056, on 12 February 2007.

What does this work with?

This Firmware is compatible only with the TOP Conventional Programming Application (TOP-CPA) v4.13.00 or later.

The TOP-CPA v4.13.00 is available on the Tait Portables Programming Utilities (TPPU) v4.13.00 CD-ROM from the Tait Software Issuing Authority as IPN 406-00003-13, or for download from support.taitworld.com under "Portables – Orca / T3000" → "Programming Software".

2.   Changes

What has been resolved in this release?

Firmware version 2.18 resolves the following issues in the Orca 5010, 5015, 5018 and 5020:
- Support has been added for the ADF4111 synthesiser. TOP radios utilising the ADF4111 synthesiser will contain a hardware version 030C. (Note: The ADF4111 synthesiser will not be introduced into TOP radios until early 2007).

Changes to the TOP-CPA v4.13.00

Changes to the TOP Conventional Programming Application:
- Support has been added for the ADF4111 synthesiser. TOP radios utilising the ADF4111 synthesiser will contain a hardware version 030C. (Note: The ADF4111 synthesiser will not be introduced into TOP radios until early 2007).
- FOCUS 25573: The 'Received Signal Tracking' (RST) option on the 'Specifications' page has been removed, as enabling this option may have lead to undesirable radio receiver performance.   Any radio personality files saved under previous Conventional Programming Application versions that have this option enabled will be disabled when opened. (Raised as TIMS 57010).

Telephone:+64-3-357-9991

support@taitworld.com
http://support.taitworld.com

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Compliance Issues	None
CSO Instruction	**CSO's** – Please inform all logistics, sales and technical staff of these changes.

3.   Issuing Authority

Name and Position of Issuing Officer	Tim Lummis Technical Support Engineer
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Distribution Level	Associate

Document History	Original Release	19 December 2006	TPL
	Update with first serial number information	12 February 2007	TPL

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