



Technical Support

TECHNICAL NOTE

Technical Note TN-922-SR

Tait Orca 5010, 5015, 5020 Firmware Upgrade to 2.14 & TOP-CPA Upgrade to 4.0.1

15 October 2004

Applicability

This Technical Note applies to the firmware utilised in Tait Orca 5010, 5015 and 5020 Conventional radios. It also applies to the Conventional Programming Application v4.0.1 used to read / program radio personality files.

1. Introduction

What is in this Technical Note?

The Orca Conventional Firmware v2.14 has been released to manufacturing to replace the previous firmware (v2.12) being installed in Tait Orca 5010, 5015 and 5020 Conventional products.

Version 2.14 Firmware was first implemented in an Orca TOP-XXXXX-XX, radio serial number XXXXXXXX, job XXXXXXXX, on XXXXXXXXXX. (This information will be inserted and the Technical Note updated when this information is available).

What does it work with?

This Firmware is compatible only with Tait Orca Conventional Programming Application TOP-CPA v4.0.1 or later.

The TOP-CPA v4.0.1 is available on the Tait Portables Programming Utilities (TPPU) v4.00.04 CD-ROM as IPN 406-00003-07, or available for download from support.taitworld.com.

2. Changes

What has been resolved in this release?

The Firmware version 2.14 resolves the following issues in the Orca 5010, 5015 and 5020:

- FOCUS 15651: Corrected issue where the radio LCD display would occasionally be slow to update when switching channels via the rotary selector. (Raised as TIMS 27968).
- FOCUS 15823: The 'Keylock' status on the 5015 and 5020 are now retained if the radio is switched off and back on. (Raised as TIMS 28392).
- FOCUS 16438: The CCDI GO_TO_CHANNEL command was not working as expected. (Raised as TIMS 30184).

Implemented Enhancements

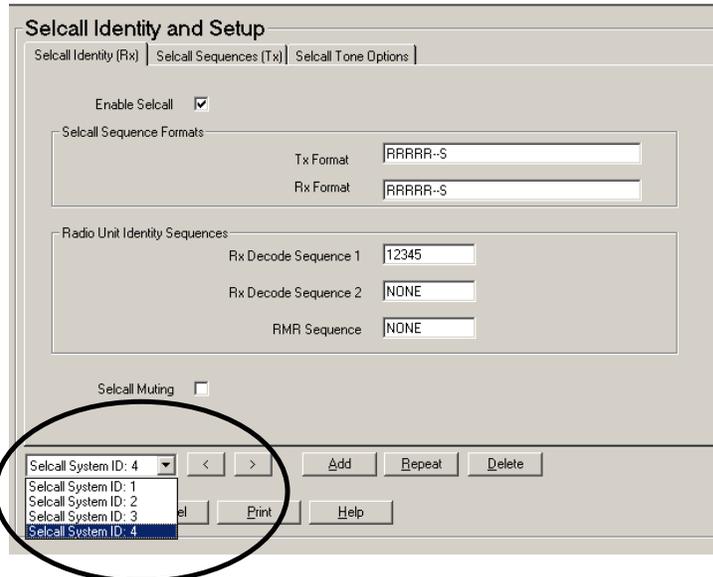
The feature enhancements to the PC Application TOP-CPA v4.0.1 below were implemented in conjunction with the Firmware v2.14 changes.

- FOCUS 16698: Under some specific scanning conditions it was occasionally possible for the CTCSS sub-audible decoder to open the radio mute upon receipt of an incorrect CTCSS sub-audible frequency. Therefore a new option has been added to the 'Scan Group' page called 'Fast CTCSS Decode Override', this is pictured below. This disables the "fast" CTCSS sub-audible decoding that is performed when the radio is in a scan group. (Raised as TIMS 30050).



Changes to the TOP-CPA v4.0.1

- Adding and deleting 'Selcall Systems' resulted in incorrect labelling of remaining systems. Switching between 'Selcall Systems' has now been changed to follow the TM8X00 Programming Application combo-box style. This is shown below. (Raised as TIMS 28222).



- Opening saved Tait Radio Modem personality files would result in an error. (Raised as TIMS 31663).
- Trying to open Trunked radio personality files gave an "unfriendly" error message. (Raised as TIMS 31003).
- If the Conventional Programming Application was already open and a user attempted to load the application again the error message 'This Application is already running' was not displayed. (Raised as TIMS 31403).
- FOCUS 17283: Corrected missing validation error on the DTMF / DTMF ANI tab. (Raised as TIMS 31531).
- The 'Man Down Accessory Connected' tick box has been removed from the 'General Options' page, as no mainstream motion sensor accessory is available at this time. (Raised as TIMS 32390).

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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