



Technical Note TN-735
**Firmware upgrade for the Tait Orca
Élan, Excel and Eclipse
Conventional radios
to v1.27**
3 September 2002

Applicability

This Technical Note applies to the Tait Orca Élan, Excel and Eclipse Conventional portable radios.

1. Introduction

**What is in this
Technical Note ?**

The Orca Conventional Firmware v1.27 has been released into production to replace the current production Firmware (v1.21) being installed in Tait Orca Élan, Excel and Eclipse Conventional products.

Version 1.27 resolves issues raised on v1.21 and on earlier Firmware versions.

This Conventional Firmware release has been first implemented in an Orca Excel, radio serial number **14166913**, job **164705**, date **19 September 2002**.

**What does it
work with ?**

This Firmware is only compatible with Tait Orca Conventional Programming Application v3.5.0 or later.

The latest full version of software with Application v3.5.0, Tait Programming Utilities (**TPU version 2.3**), can be downloaded from www.taitworld.com/support however, this is a 34MB file, and a CD-ROM can be requested from Tait Electronics Ltd.

2. Resolved Issues

What has been resolved in this release ?

The Firmware version 1.27 resolves the following issues for all models of the original Tait Orca **Élan**, **Excel** and **Eclipse**.

- Resolved the issue of User programmable groups timing out. Raised as TIMS 4352.
- When entering CCDI commands while on a scan channel a system error would occur. Raised as TIMS 4816.
- Resolved the issue of Handset audio time-out when the radio was in Handset mode and transmitting. Raised as TIMS 5234.
- Resolved the issue of CTCSS encode stopping momentarily when using ANI (Automatic Number Identification). Raised as TIMS 7756.
- Corrected use of the internal port lines, which was causing intermittent audio cutout. Raised as TIMS 7381.
- Set the data clock line from the ASIC to go low when idle as the voltage was staying above the turn-off threshold when the radio was switched off, preventing the radio switching off. Raised as TIMS 8182.
- Orca battery display icon values changed to better represent the battery voltage in terms of shift capacity. Raised as TIMS 9149.

Compliance Issues

None.

CSO Instruction

Please inform all technical staff and accredited dealers of v1.27 Firmware release.

Upgrade portable radios with known issues that can be resolved with v1.27 Firmware.

3. Issuing authority

Name and position of issuing officer

Graham Brenchley

Customer Support Engineer

Confidentiality

Confidential – This message or document contains proprietary information intended only for the person(s) or organisation(s) to whom it is addressed. All Recipients are legally obliged to not disclose Tait technological or business information to any persons or organizations without the written permission of Tait.