



Technical Note TN-740
**Firmware upgrade for the Tait Orca
Élan and Excel MPT Trunked radios
to v3.15**

5 October 2002

Applicability

This Technical Note applies to the Tait Orca Élan and Excel MPT 1327 Trunked portable radios.

1. Introduction

**What is in this
Technical Note ?**

The Orca MPT Trunked Firmware v3.15 has been released into production to replace the current Firmware (v3.14) being installed in Tait Orca Élan and Excel MPT Trunked products. Version 3.15 resolves some issues raised on v3.14 and earlier Firmware versions.

This Firmware release has been first implemented in an Orca Excel, radio serial number **14167148**, job **164773**, date **23 September 2002**.

**What does it
work with ?**

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

2. Resolved Issues

What has been resolved in this release ?

The Firmware version 3.15 resolves the following issues for the **Tait Orca Élan**:

- Corrected use of the internal port lines, which was causing intermittent audio cutout. Raised as TIMS 7380.
- 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 8180.
- Corrected the '3rd party divert' MPT call diversion feature which was not operating as anticipated. Raised as TIMS 8917.
- Resolved the issue of radio units not responding to availability checks. Raised as TIMS 9720.
- Solved the Emergency call set-up failure if the other radio was already busy. Raised as TIMS 9721.

The Firmware version 3.15 resolves the following issues for the **Tait Orca Excel**:

- Corrected use of the internal port lines, which was causing intermittent audio cutout. Raised as TIMS 7380.
- 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 8180.
- Corrected the '3rd party divert' MPT call diversion feature which was not operating as anticipated. Raised as TIMS 8917.
- Orca battery display icon values changed to better represent the batteries voltage in terms of shift capacity. Raised as TIMS 9147.
- Resolved the issue of radio units not responding to availability checks. Raised as TIMS 9720.
- Solved the Emergency call set-up failure if the other radio was already busy. Raised as TIMS 9721.

Compliance None, unless specific Firmware versions are required by a network provider.

CSO Instruction Please inform all technical staff and accredited dealers of v3.15 Firmware release.
Upgrade portable radios with known issues that can be resolved with v3.15 Firmware.

3. Issuing authority

Name and position of issuing officer Graham Brenchley
Customer Support Engineer

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