



Technical Support

TECHNICAL NOTE

Technical Note TN-901-SR

Release of T2040 Direct Connect (GPS) Radio Firmware V6.18

12th August 2004

Applicability

This Technical Note applies only to the Tait T2040 Trunked radio operating with Direct Connect (GPS) Firmware.

1. Introduction

Information

The last full release of T2040 GPS firmware was V6.17 (Refer to TN-791). This has now been updated to **T2040 GPS V6.18**

The major changes to the firmware that were undertaken are as follows: -

- CTCSS on a per channel basis. (Refer TIMS 21899)
- Activation of SOS Mode from the Front Panel Function Key. (Refer TIMS 21198/FOCUS 11948)
- External Alert on Function Key - When Custom Field One** is set to "1" the Function Key setting will power up in the same state that it was when switched off. (Refer TIMS 28420 FOCUS 16009)
- No acknowledgement for Status calls sent via 'Odd number' Presets (TIMS 25300/Focus 14266)
- "Popping" Sound being generated by the Transmitting radio, fitted with a T2000-A46, when in Conventional Mode. This is then heard at the Receiving radio. (Refer TIMS 30618)
- Direct Connect GPS radios reporting incorrect speeds with Garmin GPS receivers. This is due to the addition of leading Zeros in the VTG string from the GPS Receiver. (Refer TIMS 27318 Focus 15247).

There has been an area added to the bottom of the *Data Parameters* page of Trunked Programming Application (TPA) V2.71 called **Custom Fields.

These fields will be used by Dealers and customers for the testing of either bug fixes and/or new features and are numbered 1-10 from left to right. Unfortunately, because of space restrictions, the individual fields are not numbered. In the Technical Note for the release of each T2000 Tait

Programming Utilities (TPU) and firmware version the Custom Fields will be defined if required. In most cases the bug fix/feature tested in one release will be defined by its own named field elsewhere in the next TPA release.

Custom Fields

<u>Custom Field</u>	<u>Setting</u>	<u>Function</u>
1	1	Function Key will power up in the same state that it was when the radio was switched off
2	1	The External Alert will ignore whether the radio is on channel and refer only to the timers.

Compatibility

Programming Software

- Trunked Programming Application V2.71 or later (not compatible with DOS software).

Hardware

- Control board IPN 220-01344-13 or later (Control board IPN 220-01344-05 to -12 with track modification for CTCSS operation as per TN-823).
- The T2000-A4500 is no longer supported.

Production radios will have this firmware version fitted from serial number XXXXXXXX. (Will be updated when a serial number is available).

Compliance Issues

None – unless specifically required by Network operators

CSO Instruction

CSO's – Please inform all logistics, sales and technical staff, and dealers of this release.

3. Issuing Authority

Name and Position of Issuing Officer

Malcolm Brown
Senior Customer Support Engineer – Data Products

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Distribution Level

Tait and ASC

Document History

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