



DATRAN™

PRODUCT RELEASE NOTICE

Q03 Firmware

RELEASE 5.24

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Issue 1

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Introduction

Q03 firmware version 5.24 is now available for both DATRAN II eXcel (Q22) and QRTU (Q20) hardware.

Q90 Configuration and diagnostic utility version 3.30 (or later) is required to configure Q03 version 5.24 firmware.

The following sections of this document describe all the new features and fixes.

Your feedback on the product and possible future enhancements is always appreciated. Please contact QTech on +64 3 366 3713, or email to techsupport@qtech.co.nz.

The DATRAN team

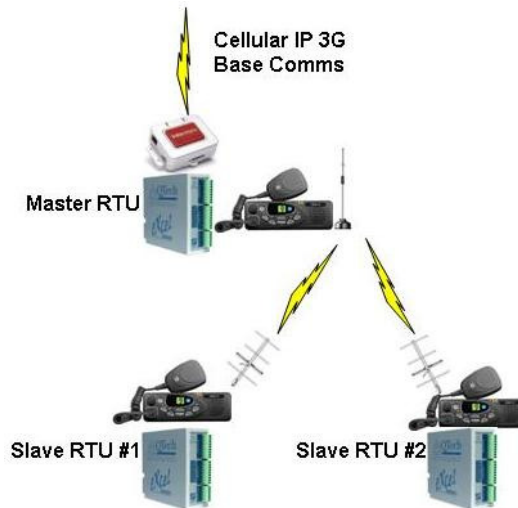
Summary of New Features

The following new features have been added since the last general release v5.23:

- Store & Forward over Cellular IP**

The Q03 Store and Forward technique over radio networks is very successful and we have now added support for users on cellular networks.

A Master RTU with good cell phone coverage can now connect to a DATRAN base station, and then forward data to one or more Slave RTU sites over a local radio network.



This provides a convenient and cost effective way to maximise a telco data plan and is an alternative to having to build a radio repeater site to get coverage to the remote RTU locations.

Please refer to the [Store and Forward application note](#) for more details on this powerful feature.

A up coming DATRAN VI software update will also be required.

- Communication Status LEDs for all base comms**

Customers using the new Q71 FSK modem on the two serial port “rev D” eXcel RTU, have noticed that the front panel LEDs (Mute, Key, Tx and Rx) did not work as they did with the previous “rev C” eXcel RTU with an internal modem.

This has now been rectified and indeed extended so the LEDs now work for all types of base communications. Rx and Tx now indicate whenever a data packet has been received from or transmitted to a DATRAN VI base station.

The following is a summary of the communication status LED functionality:

	Internal FSK Modem (Rev C RTU)	External Q71 Modem (Rev D RTU)	Tait Data Radio (Rev D RTU)	Q53 Ethernet, serial, Intermax Cellular etc (Rev D RTU)
RX LED Function	✓	✓	✓	✓
TX LED Function	✓	✓	✓	✓
KY LED Function	✓	✓	X	X
MU LED Function	✓	✓	✓	X



The behaviour of the Rev C eXcel with an onboard FSK modem includes the modem hardware to operate the LEDs. This existing behaviour has not been changed.

Summary of Issues Resolved

The following issues have been resolved since Q03 version 5.23 which was the previous general release.

QTech Id	Description
4817	Store and Forward implemented over Cellular IP.
4709	Front panel LEDs now work for all forms of base comms, not just onboard FSK radio.

Disclaimer

Whilst every endeavour has been made to ensure that the product description is accurate, details are subject to change. QTech Data Systems Ltd reserves the right to alter the system specifications if required.

QTech Data Systems Ltd does not warrant the suitability of this product for any particular application as the conditions in which it is used are beyond our control. This is not withstanding warranty of merchantability.

Ongoing Support

A support services maintenance agreement is available (or users can upgrade from an existing maintenance agreement).

All support will be charged at \$100 +GST per hour plus disbursements.