

QTech Workbench

Version 2.07

December 2019

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Introduction

QTech are delighted to release QTech Workbench version 2.07.

QTech Workbench is the Microsoft Windows based configuration utility for various QTech products including DATRAN XL4 and XL4 *Plus* RTUs, WRTU's, QDR Digital Radios and Q48 Point to Point and Q48 Multi-Point Controllers.

This release corrects a number of issues and adds new features and capabilities.

QTech strongly recommends that all DATRAN integrators upgrade to this version of QTech Workbench.

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

Summary of New Features

These new features have been introduced into this release:

- Support of the Rev. E WRTU/WP2P devices and modes added
- Added DNP3 "Request Link Status" button
- Added support for DNP3 configuration
- Added support for WDR/VCOM
- Added support for SDI-12 Interface
- Provided a way to install the driver (.inf)
- Added support for WSMML Soil Moisture Logger configuration and firmware update

Changes in this release include:

These changes has been introduced into this release:

- Display of additional information relating to RTU reset times and reset exception diagnostic logs
- Display of communication state information for QComms server
- Minor changes to text displayed on datalogging, Q48 and other screens
- Improvements to resizing of windows and columns
- Fixed an issue with RTU configuration file versions not being updated
- Support for local time country and daylight time offsets
- Improved handling of communication connections to an RTU when cables are inadvertently removed.
- Changes to the connection process for RTUs to handle delays in the reboot process in the RTU which attempts to perform file consistency checks
- Various fixes to DF1 support preventing correct data mapping to plc device memory locations
- Improved handling of exceptions where the RTU freezes communications

Summary of Resolved Issues

The following issues have been resolved since the previous release:

- The currently selected licence feature checkbox now updates when licence is read
- Main Form no longer disappears when message box is displayed
- Printer name is no longer hard-coded
- When writing config to WP2P and the hardware flag for repeater is set workbench no longer permanently sets the software flag
- Now able to calibrate analogue outputs
- Setting NAO % value no longer crashes
- When starting Workbench displays a dialogue box containing the correct copyright year
- Name of "Cellular Datalogger" changed to "Q48 Remote Datalogger" in Device List and Title
- Order of IO index in XL4 Plus is now the same as the XL4's
- Issues with COM port detection have been resolved
- Digital inputs now displaying full range
- Added support for configuring the QCOMMS Master TCP comms
- WSML now exposes lora settings so that they can be altered
- Lora spreading factor is now consistent

Summary of Known Issues

These issues have been identified in this release and will be fixed in future releases:

- Column widths for I/O pages do not yet retain the width setting if they are resized but as a work around the default width have been changed to improve readability.
- There are issues with the programme slowing down when many diagnostics categories have been selected or many are changing.
- There are issues with readability of diagnostic messages and we are working on colour coding them, for example to differentiate transmit and receive messages.

Prerequisites for Upgrade

Software Licensing

The QTech Workbench software is free to download from the QTech Website. There are two versions of the installation file available, with and without the Microsoft .NET framework bundled. Choose the installer with .NET Framework if the Framework is not already installed on the target machine (marked DN in the installer filename).

Run the installer and accept the software licencing agreement.

Close Applications

Before installing it is recommended that you close all applications running on the target machine.

PC Reboot

No rebooting of the target machine is required after the installation.

Disclaimer

While 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. It is our firm intention to continue to develop the features of the DATRAN VI product range and add additional modules.

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 notwithstanding warranty of merchantability.

Increasingly, systems are being connected to the Internet. QTech Data Systems Ltd cannot guarantee these services will be available or functional 100% of the time, because the integrity of network connections is beyond our control.

Ongoing Support

QTech Data Systems Ltd encourages clients to configure their systems to allow remote access via a directly connected modem or internet based VPN. This allows for off-site support from either QTech Data Systems Ltd staff, or in-house staff outside of work hours.

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