PI CALTOOL

Version 4.3 (Build 933 - Update 1)

03 February 2020

Abstract:

This document contains information for Pi CalTool, including:

- New features for this version: both complete and currently under development.
- Known issues for this version.
- A complete changelog of work completed up to and including this version.
- The supported operating systems.
- Contact information.

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CONTENTS

PI CALTOOL 1
Version 4.3 (Build 933 - Update 1) 1
03 February 2020 1
Abstract: 1
CONTENTS 2
NEW FEATURES 3
4.3 3
4.2 3
KNOWN ISSUES 4
CHANGELOG 5
SUPPORTED OPERATING SYSTEMS 10
CONTACT INFORMATION 11

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NEW FEATURES

4.3

- Added support for CHP2-based autocoding devices. (115723)
- Pi CalTool Metafiles and Regrade Definitions can now be installed by double-clicking them in Windows Explorer. (140293)
- The working point can now be shown for dynamic parameters. (130971)
- The personality installer will now prompt if Pi CalTool is already running and needs to be restarted. (142544)
- Updated the default personality file to expire at the end of 2020. (138941)
- Added support for the Antares 8xx. (114064)

4.2

- Dataset paths saved on the device are now truncated where necessary, rather than omitted. (102984)
- Selecting at the group level in the parameter explorer will now select scalars recursively within the group. (59847)
- Improved the information displayed on the banner when the device dataset fails to load. (89317)

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KNOWN ISSUES

- It is possible to have more than one entry for Pi Data Access in the list of installed applications. This behavior is by design, and only the most recent version of Pi Data Access will actually be installed. Pi Data Access will only be removed from your PC once all such entries have been removed along with all other Cosworth products that rely on Pi Data Access.

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CHANGELOG

4.3 (Build 933 - Update 1)

This build contains:

- Core PC Cpp Components: 5.0 (Build 307 - Update 2) - (Updated)
- Data Access: 8.6 (Build 898 - Update 6)

Changes included in this build are:

- Fixed an issue where a dataset inconsistency was reported after sending a dataset to an auto-coded Antares ECU. (159346)
- Fixed a bug causing the wrong display to be swapped if swapping the same display twice in succession. (157526)
- Fixed a bug that could cause drag copying of tabs to crash, or result in corrupt workbooks/workspaces. (150197)

4.3 (Build 930) (Beta)

This build contains:

- Core PC Cpp Components: 5.0 (Build 307)
- Data Access: 8.6 (Build 898 - Update 6) - (Updated)

Changes included in this build are:

- Fixed an issue where only the first character of the name of an unrecognized unit would be displayed when converting a file. (149295)
- Fixed a crash when connecting certain telemetry streams. (149303)

4.3 (Build 929) (Beta)

This build contains:

- Core PC Cpp Components: 5.0 (Build 307)
- Data Access: 8.6 (Build 898 - Update 5)

Changes included in this build are:

- Improved the feedback given to users when a regrade fails due to an expired personality. (147428)

4.3 (Build 928) (Beta)

This build contains:

- Core PC Cpp Components: 5.0 (Build 307)
- Data Access: 8.6 (Build 898 - Update 5)

Changes included in this build are:

- Fixed an issue that could cause datasets to save the wrong metafile version information, preventing subsequent re-opening. (150078)

4.3 (Build 927) (Beta)

This build contains:

- Core PC Cpp Components: 5.0 (Build 307)
- Data Access: 8.6 (Build 898 - Update 5)

Changes included in this build are:

- Fixed an issue that prevented some devices from re-entering patching after a send. (149626)

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4.3 (Build 926) (Beta)

This build contains:

- Core PC Cpp Components: 5.0 (Build 307)
- Data Access: 8.6 (Build 898 - Update 5)

Changes included in this build are:

- Fixed an issue with automatically saving of the workspace to a fixed location when CalTool is shut down if the document was unmodified or was configured to prompt. (147364)

4.3 (Build 925) (Beta)

This build contains:

- Core PC Cpp Components: 5.0 (Build 307)
- Data Access: 8.6 (Build 898 - Update 5)

Changes included in this build are:

- Changed the System Health status bar to not clear when navigating away from the System Health view. (148668)

4.3 (Build 924) (Beta)

This build contains:

- Core PC Cpp Components: 5.0 (Build 307)
- Data Access: 8.6 (Build 898 - Update 5)

Changes included in this build are:

- Fixed a crash that could occur when viewing a parameter in a matrix editor. (148647)

4.3 (Build 923) (Beta)

This build contains:

- Core PC Cpp Components: 5.0 (Build 307)
- Data Access: 8.6 (Build 898 - Update 5)

Changes included in this build are:

- Corrected the port number shown in the journal message when configuring custom Ethernet connection settings. (147308)

4.3 (Build 922) (Beta)

This build contains:

- Core PC Cpp Components: 5.0 (Build 307)
- Data Access: 8.6 (Build 898 - Update 5)

Changes included in this build are:

- Added support for CHP2-based autocoding devices. (115723)

4.3 (Build 919) (Alpha)

This build contains:

- Core PC Cpp Components: 5.0 (Build 307)
- Data Access: 8.6 (Build 898 - Update 5)

Changes included in this build are:

- Reduced the risk of erroneous warnings appearing in the journal stating that channel data could not be obtained

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in a timely manner. (130979)

4.3 (Build 918) (Alpha)

This build contains:

- Core PC Cpp Components: 5.0 (Build 307)
- Data Access: 8.6 (Build 898 - Update 5)

Changes included in this build are:

- Pi CalTool Metafiles and Regrade Definitions can now be installed by double-clicking them in Windows Explorer. (140293)

4.3 (Build 915) (Alpha)

This build contains:

- Core PC Cpp Components: 5.0 (Build 307) - (Updated)
- Data Access: 8.6 (Build 898 - Update 5)

Changes included in this build are:

- Fixed an issue that prevented some keyboard shortcuts for nudging working on some keyboards. (130974)

4.3 (Build 911) (Alpha)

This build contains:

- Core PC Cpp Components: 5.0 (Build 305) (Beta)
- Data Access: 8.6 (Build 898 - Update 5)

Changes included in this build are:

- The save report button will now only be enabled once a report has been generated. (130972)
- Regrading now supports implicit crossgrades between identical versions of devices in the same family, where permitted by the regrade definitions and personality. (130978)
- Fixed an issue causing regrade failures to be reported in the journal even when regrades succeeded. (130980)

4.3 (Build 910) (Alpha)

This build contains:

- Core PC Cpp Components: 5.0 (Build 305) (Beta) - (Updated)
- Data Access: 8.6 (Build 898 - Update 5)

Changes included in this build are:

- Fixed an issue causing the working point line not to be initially shown if input values are not changing. (130879)
- The working point can now be shown for dynamic parameters. (130971)
- The personality installer will now prompt if Pi CalTool is already running and needs to be restarted. (142544)
- Fixed a bug causing group level selection of scalars to fail. (130969)
- Updated the default personality file to expire at the end of 2020. (138941)

4.3 (Build 909) (Alpha)

This build contains:

- Core PC Cpp Components: 5.0 (Build 304) (Alpha) - (Updated)
- Data Access: 8.6 (Build 898 - Update 5) - (Updated)

Changes included in this build are:

- Corrected contact details on the Technical Support help page. (130975)
- Fixed a bug that could cause real-time data to go backwards when data is sourced at multiple rates. (137364)
- Fixed a potential issue that may have possibly lead to a crash with receiving real-time data. (135120)

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- Fixed an issue leading to missing high speed channel data at the end of an outing. (133822)
- Fixed an issue where outing data would be decoded incorrectly when multiple channels were logged at different high speed rates. (130645)
- Fixed an issue causing data in burst loggers to be offloaded incorrectly.
- Fixed an issue resulting in warnings that offloaded outings were missing data. (132517)
- Fixed an issue preventing real-time data for protected channels from being made available to data analysis clients. (130079)

4.3 (Build 906) (Alpha)

Changes included in this build are:

- Fixed an issue where channel values would not update on numeric and trace displays when formatted as hours, minutes and seconds. (117411)
- Fixed an issue where after sending a specific scope from a dataset, changes to parameters not in that scope would then not be included in subsequent send. (115842)
- Fixed an issue preventing the population of comments when creating a new dataset from the device where the metadata defines scopes. (117576)

4.3 (Build 902) (Alpha)

Changes included in this build are:

- Fixed an issue preventing some dynamic parameters from displaying values. (114065)
- Added support for the Antares 8xx. (114064)
- Fixed an issue preventing the detection of dongles when applying a field update on Windows 10 April 2018 Update. (113460)
- Fixed an issue that can lead to duplicate unit system entries. (107374)
- Fixed an issue where comments were not refreshed when switching connections between devices running the same firmware. (107139)
- Fixed an issue where comments for scopes not accessible at the current security level would be lost when sending or saving a dataset. (106565)
- Fixed a crash that could occur when creating a new dataset if the back button was used. (106581)
- Fixed a crash that could occur when importing a corrupted journal. (105974)
- Fixed crash showing the Edit Comments dialog when a discovery only device is the active device. (105819)

4.2 (Build 862) (Beta)

Changes included in this build are:

- Fixed an issue preventing device properties from being shown on the comments dialog. (105129)

4.2 (Build 861) (Beta)

Changes included in this build are:

- Fixed an issue preventing the device timeout mechanism from operating correctly. (41987)
- Auto-coded devices will now correctly report if their metadata needs importing. (105285)
- Dataset paths saved on the device are now truncated where necessary, rather than omitted. (102984)

4.2 (Build 860) (Beta)

Changes included in this build are:

- Fixed an issue causing incorrect file icons to be displayed. (27300)

4.2 (Build 859) (Beta)

Changes included in this build are:

- Added the ability to set blank dataset comments. (105265)
- Fixed an issue causing an erroneous error message when opening workspaces with compare data. (105262)

4.2 (Build 856) (Beta)

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Changes included in this build are:

- Selecting at the group level in the parameter explorer will now select scalars recursively within the group. (59847)

4.2 (Build 855) (Beta)

Changes included in this build are:

- Improved the information displayed on the banner when the device dataset fails to load. (89317)

4.2 (Build 853) (Beta)

Changes included in this build are:

- Fixed an issue preventing passphrase protected device datasets from loading when connecting to the device. (100524)

4.2 (Build 850) (Beta)

Changes included in this build are:

- Fixed various issues preventing the "Replace" and "Revert to Defaults" functions from working correctly in the parameter explorer.
- Fixed a crash that could occur when attempting to replace a matrix parameter from a scalar.
- Fixed a hang that could occur during a send if the send is aborted due to a comms error.

4.2 (Build 849) (Beta)

Changes included in this build are:

- Fixed an issue where Pi CalTool could crash when closed whilst connected to a device.
- Fixed an issue where sends to auto-coded devices were sometimes allowed when the metafiles did not fully match.
- Fixed a crash closing the comments editor when the active device disconnected whilst the dialog was open.
- Fixed an issue where incorrect data could sometimes be sent to an auto-coded device immediately following a regrade.
- Fixed an issue where system health information could not be obtained from some devices over serial connections.
- Fixed a crash on closing the send dialog if the active device disconnected while the dialog was open.
- Fixed an issue with data for some channels sometimes not being obtained from the device.
- Regrading will no longer apply custom-functions to parameters if their values are loaded from defaults on the same regrade step
- Improved the error messages displayed in the device status banner when a send is denied because the dataset is for a specific serial numbered device and that specific device is not connected.
- Fixed an issue with dataset comments not being displayed correctly for datasets created in earlier versions of Pi CalTool where the metafile defined scopes.
- Fixed an issue with the copying of dataset comments when regrading a dataset for an auto-coded device to a metafile for a matching non-auto-coded device when the metafile defines scopes.
- Fixed an apparent crash closing CalTool after browsing for files with latest Office 365 update installed.
- Fixed a crash that could occur during regrading where a matrix has an effective size of 0 due to its axis sizes being scalar-based.

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SUPPORTED OPERATING SYSTEMS

The following operating systems are supported:

- Microsoft Windows 10 (32 or 64-bit)

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