

CXpro^{HD} v1.02.01

Issue Date: 27 May 2020

Product: CXpro^{HD}

Product Version: 1.02.01

Summary

CXpro^{HD} v1.02.01 fully integrates configuration into the primary UI, and also supports NAT and multiple BBMD.

Background

This update is part of Cylon's continuous improvement strategy, to address customer feedback.

Features and Installation

Note: CXpro^{HD} 1.02.01 is compatible with **Windows 10** Professional 64-bit and **Windows 7*** Professional / Enterprise / Ultimate 64-bit.

**Windows 7 will be made EOL (discontinued) by Microsoft in January 2020*

The minimum configuration to run this application is: **Core 2 Duo** E6300, 1Gb RAM, 80Gb hard drive.

The recommended configuration is: **Core 2 Duo** E6600, 2Gb RAM, 160Gb hard drive.

Note: Please be aware that Anti-Virus software can occasionally interfere with the installation process for CXpro^{HD}, and perhaps consider disabling Anti-Virus software temporarily when installing CXpro^{HD}.

New Features

Support for Multiple BBMD settings

In addition to the current system level, BBMD settings have been added to sites and routers.

CXpro^{HD} will search 'upwards' through Router → Site → System until it finds valid BBMD settings, or if none is found, it will assume that BBMD is not required.

Configuration application integrated into CXpro^{HD}

Routers, Controllers, and Sites can now be added, edited, or deleted from the **Site Tree**.

All Configuration parameters will be added to CXpro^{HD} dialogs.



BACnet NAT Support

CXpro^{HD} can now communicate with devices across a firewall using Network Address Translation.

Integrated Configuration

The following configuration dialogs have been added to a new multi-view dialog in CXpro^{HD}:

- I/O Terminal Setup
- Reorder Modules
- BACnet Units
- Strategy Details
- Strategy Display
- Strategy Settings
- BACnet Configuration
- Download Options
- Livelog Setup
- New Line Settings
- Strategy Blocks
- Controller Limits
- Resources
- Points Manager
- Download Options
- Scan Options
- Serial Port Configuration
- Commands

Miscellaneous

ST-7448 If a Strategy is not associated when the Keypad IDE is launched, prompt the user to save the Strategy.

ST-7397 A license analyser has been added to the install, to allow end-users to provide additional information when diagnosing license issues.

ST-7357 Imported macro names are no longer truncated to 10 characters.

ST-7359 Command timeouts have been changed from milliseconds to seconds and the "Timeout before auto-detect" has been removed, because it is now obsolete.

ST-7284 If a point cannot be added when pasting between the Database Interface and MS Excel, the user will now be told why this is the case.

ST-7285 Site Organiser now starts with the same selected site as the Engineering Tool is currently using.

ST-7294 The batch process to upgrade BACnet units no longer leaves all Strategies on a site open.

ST-7042 Virtual Modbus controllers are no longer displayed in the Commission BACnet Devices dialog.

ST-7249 A space is no longer automatically added to macro name prefixes.

ST-7213 An increased limit of 80 characters is now applied for Site and directory names.

- ST-7219** The width of the **Commissioning** dialog has been increased and text has been added explaining why controllers may be offline.
- ST-7211** The ability to change the precision of **analog** values has been added.
- ST-7012** Clarified tooltip for **BACnet** alarms: "**High Value**" or "**Low Value**" are now displayed in the tooltip and constant section instead of **0** or **1**.
- ST-7099** Pasting destination connectors within the same **strategy** is no longer allowed if the source is not copied.
- ST-7095** The **Modulo** operator has been added to the **Equation** module dialog.
- ST-7002** Users can now search for all hardware points, without specifying their type.
- ST-6971** Selected item in the **Site Tree** is now highlighted with bold text so that it is still clear what is selected when the **Site Tree** loses focus.
- ST-6967** I/O names can be edited in place on the macro dialog and can be swapped around by clicking and dragging.
- ST-7005** Users can now edit and save **macro** templates directly from the **Macro Manager**.
- ST-6967** Increased the maximum macro name length to 63, and the maximum Macro I/O name length to 10 characters.

Resolved Issues

Engineering Tool

- ST-7442** Fixed crash issue when selecting a tab in the **Keypad Configuration** dialog.
- ST-7402** If **CXpro^{HD}** needs to close a **strategy** due to a site configuration update, the user will not be prompted to download the **strategy**.
- ST-7394** Fixed issue when importing **Macros** that contain nested **Macros**.
- ST-7393** Fixed issue with copy & paste of **Macros**.
- ST-7390** Fixed issue where duplicate points could be created when copying & pasting **Macros**.
- ST-7361** In **Macros**, connector modules containing **Macro** I/O points are now deleted correctly.
- ST-7242** **CXpro^{HD}** now correctly reads the present value of an overridden output, once the version of firmware is up to date.
- ST-7200** On a dual-monitor display, the **Site Tree** in the **Database Interface** is now properly updated when the application gets focus.
- ST-7366** **Setpoint** nodes are now handled correctly when they are used as **Macro** outputs.
- ST-7324** **Macros** are no longer hidden in the **Module pane** based on **controller** type. This prevents warning messages appearing when opening a strategy for a **CBM** (or any other end-of-life controller type).
- ST-7319** Update the **Strategy tooltip** when a **setpoint** value is changed.
- ST-6986** The default label for hardware point **manual override** is now based on the point name rather than the type and number.
- ST-7173** **ASPECT[®]** export now handles **CBM24** hardware points correctly.
- ST-7115** When adding a **Macro** that contains a **BACnet** schedule, the schedule number is now assigned the next available number in the **strategy** rather than '**1**'.

- ST-7096** Equation module text is now saved and restored correctly when the equation is inside a Macro.
- ST-7076** An issue where partial data from an Equation module could be transferred to a controller under certain circumstances has been fixed.
- ST-7043** The Constants section under a Modbus module now displays correctly when a Strategy is reopened
- ST-7027** An issue where a hardware point could be duplicated by changing its address in the Properties window has been fixed.
- ST-6938** An issue where entering loading and unloading intervals for the Staging module properties was causing CXpro^{HD} to hang has been fixed.
- ST-6945** An issue where switching between a Macro and the main Strategy was causing duplication of text modules in Macros (which then caused Strategy corruption) has been fixed.

Database Interface

- ST-6985** In the Database Interface , FLX HW points are now written correctly to MS Excel regardless of the current selection.
- ST-6985** The Database Interface now displays the correct FLX point number when exporting to excel.
- ST-6984** Prevent duplicate FLX hardware points being pasted in the Database Interface .
- ST-7026** The airflow input sensor type is now initialized correctly when added to a strategy.
- ST-7158** The Database Interface is now correctly updated when a site is added or restored.
- ST-7114** Added restrictions to pasting into the Database Interface from MS Excel.
- ST-7283** The Database Interface does not now allow duplicate FLX hardware points to be added.

Customer Impact

Any customer wishing to use Network Address Translation controllers should upgrade to this version of CXpro^{HD} as soon as possible. Other users who are affected by issues listed in this document should upgrade when practical.