C-Bus Toolkit 1.15 Release Notes

C-BUS

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C-Bus Toolkit 1.15.6

Released
June 2019

What's New

C-Bus 40M Key Input Units
This release includes support for the C-Bus 40M series key input units. Functionally this series is the same as the 30M series.

C-Gate 2.11.5
This release includes C-Gate 2.11.5. For further details, refer to the C-Gate release notes later in this document.

Other Fixes
None

C-Bus Toolkit 1.15.5

Released
July 2018

What's New

C-Gate 2.11.4
This release includes C-Gate 2.11.4. For further details, refer to the C-Gate release notes later in this document.

Other Fixes
None

C-Bus Toolkit 1.15.4

Released

June 2018

What's New

C-Gate 2.11.3

This release includes C-Gate 2.11.3. For further details, refer to the C-Gate release notes later in this document.

Other Fixes

None

C-Bus Toolkit 1.15.3

Released

February 2018

What's New

New eDLT Widget Swap Functions

This release includes two new functions in the eDLT unit dialog. These new functions allow you to swap two widgets on a page without having to manually reconfigure both widgets. The first function allows you to swap the selected widget with the one in the slot directly *above* it. The second function allows you to swap the selected widget with the one in the slot directly *below* it. To access these new functions, open an eDLT unit and navigate to the **Key Settings** tab in the unit dialog. In the **Page / Widget Selection** area, directly underneath the **Single Page** & **Multi Page** options, you will see two new buttons that represent the new functions. All properties of both widgets, including restore levels, are swapped. You cannot swap widgets between pages, nor can you swap widgets on the **Standby** page.

Don't Remind Me Again Option for eDLT Firmware Update

This release includes a new option on the eDLT Firmware Update prompt when opening or transferring an eDLT unit. This new option allows you to indicate that you do not want to see the prompt again. It functions the same as similar options displayed on other messages in Toolkit. If you select this option, then the update message will no longer be shown. To reset the display of this message (and others) so that it is displayed again,

- Go to the **File │ Preferences…** menu item
- In the **Preferences** window, navigate to the **Advanced** tab
- Click the **Reset** button in the **Reset "Don't ask me again"** section

eDLT Firmware

The eDLT Firmware Updater has been updated to support a new eDLT firmware package format included in this release. This means that if you downgrade Toolkit by installing an older version then the Firmware Updater that it installs will not be compatible with the newer package format. You will not be able to update eDLT units to the newest firmware until you upgrade Toolkit again.

New Network Type for Automation Controller Units

This release adds support for C-Bus Network Automation Controller (5500NAC & LSS5500NAC) and Wiser for C-Bus Automation Controller (5500SHAC & LSS5500SHAC) units as a network type when adding a new network to a project. These are the **Automation Controller – Ethernet** and **Automation Controller – USB** network types when adding a new network. Both types are supported by each unit.

New Export CGL Options

This release adds two new options to the Export CGL window. The **Open Folder After Export** option will open the folder that contains the exported file in a separate window, with the file selected, after export. The **Copy File Location to Clipboard After Export** option copies the folder and export

filename to the Windows Clipboard after export. In both cases, no action is taken if the export was not successful.

Media Transport Control Application Included in CGL

This release adds support for the Media Transport Control application (192) when exporting a network to CGL. If the project has been configured with groups within this application, then it may now be selected for inclusion in the CGL export.

Note: This does not change the way the application is configured and added to the project. It only makes the application available for export to an automation controller if it exists in the project.

C-Gate 2.11.2

This release includes C-Gate 2.11.2.

Other Fixes

- TK-10473 – Corrected a mismatch for the Target Light Level and Margin in multi-sensors and 360 PIRs when resetting.
- TK-10619 – New group added in Applications node does not appear in treeview
- TK-10620 – Access violation when opening a project from the Find C-Bus Networks window
- TK-10621 – Access violation when saving sensor modifications to the database
- TK-10628 – Project tree selection jumps to root node when editing DLT Labels for trigger groups
- TK-10630 – eDLT Firmware Updater now accepts the new firmware package format

C-Bus Toolkit 1.15.2

Released
August 2017

What's New

eDLT Microprocessor Support
This release includes support for the new eDLT microprocessor. This microprocessor change is transparent, meaning that there is no change in the commissioning or operation processes of eDLT units.

New Sensor Preference
This release includes a new preference for SENPILL and SENPIRIB units to always open their unit dialogs in Classic mode, rather than the default Wizard mode. To set this new preference, open the **Preferences** window from the **File** menu and navigate to the **Unit Dialogs** tab. In the **Classic Mode** group, place a tick in the **Always open SENPILL and SENPIRIB unit dialogs in Classic mode** check box. This preference takes effect once you have clicked **OK** to close the **Preferences** window. The next time you open one of these units, it will be opened in Classic mode instead. This preference is remembered between Toolkit sessions.

C-Gate 2.11.1
This release includes C-Gate 2.11.1.

Other Fixes

- TK-10469 – Progress bar only reaches 95% when opening eDLT unit dialog
- TK-10498 – Installer does not detect running applications
- TK-10515 – Failed to load unit error message when opening eDLT unit dialog
- TK-10542 – Unit list scrolls to top after saving unit
- TK-10550 – Progress bar not showing correct percentage when saving unit
- TK-10563 – Default value for low/med threshold for the three-speed fan controller widget is incorrect
- TK-10564 – Default value for Quick Status Colour Level 1 in eDLT unit dialog is incorrect
- TK-10581 – Groups are shown when Previous Levels is selected for the eDLT Power Restore Settings
- TK-10603 – Selection in project list jumps when edit group
- TK-10608 – Multiple eDLTs on the network causes slowdown after each save
- TK-10609 – UI freezes for a period after closing unit dialog
- TK-10610 – Inactive selected text in grids is hard to read
- TK-10612 – What's New link in Help menu is incorrect

C-Bus Toolkit 1.15.1

Released

June 2017

What's New

Windows 10 Creators Update

This release includes fixes necessary to allow Toolkit to run on the Creators Update of Windows 10. It requires C-Gate 2.11.1 or above. Due to the nature of these fixes, this release will not work with versions of C-Gate prior to 2.11.1.

C-Gate 2.11.1

This release includes C-Gate 2.11.1.

Other Fixes

- TK-10602 – Check for New Version displays an incorrect URL
- TK-10607 – Installer does not shutdown logging service correctly

C-Bus Toolkit 1.15.0

Released
April 2017

What's New

Automation Controller Unit Support
This release includes support for the C-Bus Network Automation Controller (5500NAC & LSS5500NAC) and Wiser for C-Bus Automation Controller (5500SHAC & LSS5500SHAC) units. This support includes unit dialogs for these unit types and the ability to import and export a subset of project information from/to the units. This support requires C-Gate 2.11.0.

C-Gate 2.11.0
This release requires C-Gate 2.11.0.

Control Systems IP Utility 1.6.0
This release includes Control Systems IP Utility 1.6.0. This release of the Control Systems IP Utility includes support for the Automation Controller units.

Other Fixes

- TK-10443 – Selection jumps after certain operations
- TK-10513 – Missing license agreement in USB driver installation
- TK-10525 – Unreadable characters displayed in the Welcome screen
- TK-10537 – Editing a network in an extremely large project causes Toolkit to crash
- TK-10538 – Deleting a network causes Toolkit to hang
- TK-10539 – Renaming a project causes networks to be deleted
- TK-10540 – After creating a new project the selection jumps to the root node
- TK-10541 – Text for warning message 3091 is clipped when displayed
- TK-10549 – Text for warning message 45165 is clipped when displayed
- TK-10574 – Text for information message 7094 is clipped when displayed
- TK-10584 – Unhandled exception when selecting a default language in the DLT unit dialog
- TK-10600 – Unhandled exception when running Diagnostics while a unit dialog is open

C-Gate 2.11.5

Released
September 2018

What's New

Network Syncing Fix
Fixed an issue where failure of a second sync command for a network would stop an already active sync command that is running for the same network as well.

Other Fixes
None

C-Gate 2.11.4

Released
July 2018

What's New

USB Drivers Upgraded
Upgraded the USB drivers to a newer version and improved ability to install on Windows 10.

Other Fixes
None

C-Gate 2.11.3

Released

June 2018

What's New

Fix for Automation Controller Routing via Bridges

When using the Automation Controller as a gateway, it was not relaying application messages across bridges which have the Application Connect options *Send to adjacent network* or *Send to other remote network* enabled.

CNIs already exhibit this behaviour by default because C-Gate sets the LOCAL_SAL interface option when connecting to them. C-Gate now does the same for the Automation Controller as well so it will function the same way as a CNI.

Other Fixes

None

C-Gate 2.11.2

Released
February 2018

What's New

Automation Controller Network Types
This release adds support for two new network types: Automation Controller – Ethernet and Automation Controller – USB.

Indicator Kill Fix
Fixed the issue where C-Gate was not producing event messages for indicator-kill events. This affected clients such as Schedule Plus which depended on these messages.

Retry Failed MMIs
C-Gate will now retry an MMI that fails during network discovery.

Clock Master Fix
Fixed the "Network not defined or available" error produced when C-Gate is configured as the primary clock master.

Also, added two read-only properties **PrimaryMasterEnabled** and **PrimaryMasterNextUpdateTime** to the Clock & Timekeeping Application.

Note: For the best results in time & date synchronization it is recommended to use a non-software device with NTP support instead (e.g. Automation Controller).

Sensor Factory Defaults Fix
Multisensor and 360 PIRs will now reset to the correct factory defaults for Light Level Target and Margin.

eDLT Impedance Fix
eDLT units will now be correctly accounted for in the Network Calculator.

Other Fixes
None

C-Gate 2.11.1

Released
June 2017

What's New

Windows 10 Creators Update
This release includes fixes that allow Toolkit to work on the Creators Update of Windows 10. Due to the nature of these fixes, this release will not work with releases of Toolkit prior to 1.15.1.

Other Fixes
None

C-Gate 2.11.0

Released
April 2017

What's New

Java 8 Update

C-Gate now includes a Java 8 JRE instead of Java 7. This will not affect the version of Java you have installed on your system.

Several supporting libraries have also been updated.

USB Driver Update

The Clipsal USB drivers have been updated to include better support for Windows 10.

Automation Controller Unit Support

This release includes support for the C-Bus Network Automation Controller (5500NAC & LSS5500NAC) and Wiser for C-Bus Automation Controller (5500SHAC & LSS5500SHAC) units.

New C-Gate Launcher

C-Gate now includes a new cgate.exe launcher. The command line arguments are the same as before so general compatibility should be preserved.

However, memory options are now respected in Service mode. Whereas previously Service mode would always use 512MB, the maximum memory specified in the Toolkit preferences will now apply to both Service and Console modes.

The new launcher also writes to two new log files:

- logs/launcher.txt – this captures logging specific to cgate.exe that was previously sent to Windows Event Viewer.
- logs/wrapper.txt – this captures the stdout/stderr output that was previously only visible in Console mode.

Note: the new launcher is based on the open-source YAJSW wrapper so it is possible for users to create custom launch configurations. Such configurations however are not supported by Clipsal technical support.

Sync-Free Periods

It is possible to configure periods of time to be avoided when C-Gate is scheduling background syncs. These Sync-Free Periods are configured on a weekly cycle.

For example, a Sync-Free period of 8am to 10am on weekdays will cause background syncs to be postponed till after 10am. This can help prevent the sync traffic from interfering with the high levels of traffic caused by the arrival of building occupants.

This behaviour needs to be explicitly configured by the user. For more information see the C-Gate Manual, "Reference -> Networks -> Network Syncing -> Sync-Free Periods" (section 4.9.4.3 in PDF).

Sync Padding

C-Gate now spreads scheduled background syncs evenly across the configured sync period. This only takes effect from the second sync onwards.

For example, if a project has 20 networks and a sync period of 1 hour then once all those networks are opened and synced for the first time, their next scheduled syncs will be spread evenly across a 45-minute period leaving 15 minutes as a buffer.

This behaviour is enabled by default and is configurable. For more information see the C-Gate Manual, "Reference -> Networks -> Network Syncing -> Sync Padding" (section 4.9.4.2 in PDF).

Automatic Clock Recovery

C-Gate will automatically detect and recover a network that does not have a C-Bus clock enabled. It does this by enabling clock on the gateway unit.

For more information see the C-Gate Manual, "Reference -> Networks -> C-Bus Clock Recovery" (section 4.9.7 in PDF).

Net Clocks Command

C-Gate has a new command to query and alter the number of units that have a C-Bus clock enabled.

For more information see the C-Gate Manual, "Reference -> Command Descriptions -> NET CLOCKS" (section 4.5.126 in PDF).

Array Filtering

Several C-Gate commands now support a special syntax to filter arrays.

For example, instead of an arbitrary array index (first line) you can use a specific property/value pair (second line):

```
dbget 254/Unit[3]
dbget 254/Unit[Address=207]
```

For more information see the C-Gate Manual, "Reference -> Command and Monitoring Interfaces -> Command Interface -> Commands -> Array Filtering" (section 4.3.1.4.3 in PDF).

PCI Polling Improved

PCI Polling is now more robust. If the initial MMI fails it will fall back to a simple identify. The likelihood of bridged networks going into error should be significantly reduced.

CG-1715 – PCI Polling fails when an interim MMI response line is missing

Command Caching Improved

Sometimes C-Gate would match a C-Bus response incorrectly to an older command. The cache mechanism has been adjusted to favour newer commands and to drop these older commands earlier.

CG-1865 – Improve matching of short-form responses
CG-1724 – Old commands are not getting sweeped from tx queue
CG-1725 – Commands are cached against very old commands in tx queue

Other Fixes

- CG-1850 – New command PORT CNISCAN2, which allows selection of network adaptor