C-Bus Toolkit 1.15 Release Notes

C-BUS

Table of Contents

C-Bus Toolkit 1.15.9 1
Released 1
What's New 1
C-Gate 2.11.7 1
Other Fixes 1
C-Bus Toolkit 1.15.8 2
Released 2
What's New 2
C-Bus-DALI Gateway 2
Security 2
C-Gate 2.11.6 2
Other Fixes 2
C-Bus Toolkit 1.15.7 3
Released 3
What's New 3
Installer 3
C-Gate 2.11.5 3
Other Fixes 3
C-Bus Toolkit 1.15.6 4
Released 4
What's New 4
C-Bus 40M Key Input Units 4
C-Gate 2.11.5 4
Other Fixes 4
C-Bus Toolkit 1.15.5 5
Released 5
What's New 5
C-Gate 2.11.4 5
Other Fixes 5
C-Bus Toolkit 1.15.4 6
Released 6
What's New 6

C-Gate 2.11.3 6
Other Fixes 6
C-Bus Toolkit 1.15.3 7
Released 7
What's New 7
New eDLT Widget Swap Functions 7
Don't Remind Me Again Option for eDLT Firmware Update 7
eDLT Firmware 7
New Network Type for Automation Controller Units 7
New Export CGL Options 7
Media Transport Control Application Included in CGL 8
C-Gate 2.11.2 8
Other Fixes 8
C-Bus Toolkit 1.15.2 9
Released 9
What's New 9
eDLT Microprocessor Support 9
New Sensor Preference 9
C-Gate 2.11.1 9
Other Fixes 9
C-Bus Toolkit 1.15.1 10
Released 10
What's New 10
Windows 10 Creators Update 10
C-Gate 2.11.1 10
Other Fixes 10
C-Bus Toolkit 1.15.0 11
Released 11
What's New 11
Automation Controller Unit Support 11
C-Gate 2.11.0 11
Control Systems IP Utility 1.6.0 11
Other Fixes 11
C-Gate 2.11.7 12
Released 12

What's New 12
Security 12
Other Fixes 12
C-Gate 2.11.6 13
Released 13
What's New 13
Security 13
Other Fixes 13
C-Gate 2.11.5 14
Released 14
What's New 14
Network Syncing Fix 14
Other Fixes 14
C-Gate 2.11.4 15
Released 15
What's New 15
USB Drivers Upgraded 15
Other Fixes 15
C-Gate 2.11.3 16
Released 16
What's New 16
Fix for Automation Controller Routing via Bridges 16
Other Fixes 16
C-Gate 2.11.2 17
Released 17
What's New 17
Automation Controller Network Types 17
Indicator Kill Fix 17
Retry Failed MMIs 17
Clock Master Fix 17
Sensor Factory Defaults Fix 17
eDLT Impedance Fix 17
Other Fixes 17
C-Gate 2.11.1 18
Released 18

What's New 18
Windows 10 Creators Update 18
Other Fixes 18
C-Gate 2.11.0 19
Released 19
What's New 19
Java 8 Update 19
USB Driver Update 19
Automation Controller Unit Support 19
New C-Gate Launcher 19
Sync-Free Periods 19
Sync Padding 20
Automatic Clock Recovery 20
Net Clocks Command 20
Array Filtering 20
PCI Polling Improved 20
Command Caching Improved 20
Other Fixes 21

C-Bus Toolkit 1.15.9

Released

June 2021

What's New

C-Gate 2.11.7

This release includes C-Gate 2.11.6. For further details, refer to the C-Gate release notes later in this document.

Other Fixes

None

C-Bus Toolkit 1.15.8

Released

April 2021

What's New

C-Bus-DALI Gateway

This release includes basic support for the second-generation C-Bus-DALI Gateway unit.

Security

This release includes various security updates.

C-Gate 2.11.6

This release includes C-Gate 2.11.6. For further details, refer to the C-Gate release notes later in this document.

Other Fixes

None

C-Bus Toolkit 1.15.7

Released

April 2020

What's New

Installer

This release addresses an issue with the C-Bus Toolkit installer for first time installations when attempting to download required components.

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 1.15.6

Released

July 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 2.11.7

Released

June 2021

What's New

Security

This release includes security updates.

Other Fixes

None

C-Gate 2.11.6

Released

February 2021

What's New

Security

This release includes security updates.

Other Fixes

None

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