

# C-Bus Toolkit Release Notes

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## WHAT'S NEW

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### IMPROVED MEMORY USAGE FOR LARGE PROJECTS

This release mitigates a crash caused by an out of memory error that is experienced by large project files (larger than 25MB) when using the Add Network or Edit Network functions. Both functions have been adjusted to only load the list of bridge units specific to a network once a Transit Network has been selected, instead of attempting to load them for all networks up front. This change makes Toolkit allocate less memory than before when looking for bridge units. Note that the out of memory error can still be triggered by other means, such as selecting the Topology Node for the project, but this was causing the most interruption.

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### OTHER FIXES

- [TK-10443] – Node selection issues with various functions.
- [TK-10537] – Crash when adding or editing a network.
- [TK-10538] – Toolkit appears to hang after deleting a network due to node selection issue.
- [TK-10539] – Renaming project can delete networks and cause incorrect node to be selected.
- [TK-10540] – Incorrect node selected after creating a new project.

## WHAT'S NEW

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### CONTROL SYSTEMS IP UTILITY UPDATE

This release includes Control Systems IP Utility version 1.5.0.

As of version 1.5.0 of this utility the 5500CN units are no longer supported. They will not be detected when performing a scan and can no longer be configured using this utility. Customers requiring this functionality can download and use the Lantronix Device Installer tool available at:

<https://www.lantronix.com/products/deviceinstaller/>

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### OTHER FIXES

None.

## WHAT'S NEW

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### IMPROVED LARGE PROJECT FILE SUPPORT

This release addresses problems caused by project files larger than 25MB. If you are not experiencing these issues, then you can disregard the following paragraph.

The timeout period when loading a project has been increased from 7 minutes to 60 minutes. The maximum project size has also been increased from 50MB to 80MB. These changes prevent Toolkit from prematurely abandoning the loading operation. Note that while loading large projects Toolkit's UI will appear unresponsive, but will return to normal once the load has finished.

**NOTE:** You will also need to install C-Gate in *console* mode (not as a *service*), and in Toolkit's preferences increase the maximum memory setting for C-Gate from 512MB to 1024MB.

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### OTHER FIXES

None.

## WHAT'S NEW

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### UNIT CATALOGUE MINOR UPDATE

This release includes a minor update to the C-Gate unit catalogue.

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### E-DLT FIRMWARE UPDATE

This release includes e-DLT firmware version 1.4.

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### OTHER FIXES

- [TK-10514] – Access violation using Make Network function for a Network Bridge.

# Toolkit 1.14.4 Release Notes

August 2015

## WHAT'S NEW

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### WINDOWS 10 SUPPORT

This release delivers Windows 10 support. This includes fixes to the installer, the eDLT dialog, the eDLT Firmware Updater and the Multisensor dialog.

### OTHER FIXES

This release fixes a bug where the Field Chooser in the Database & Network Views could not be opened.

A number of unused files were removed from the installer, which reduced its size by more than 25%.

# Toolkit 1.14.3 Release Notes

21<sup>st</sup> May 2015

## WHAT'S NEW

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### FIX FOR MICROSOFT PATCH

On 13<sup>th</sup> May Microsoft released the Windows patch KB3061518: <https://support.microsoft.com/en-gb/kb/3061518>

This caused the eDLT unit dialog to stop working. The Toolkit installer now modifies the registry as noted in the linked article to restore the previous configuration.

## WHAT'S NEW

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### LARGE PROJECT FILE SUPPORT

This release can now open project xml files larger than 20MB in size.

When working with project files of this size it is also recommended to increase the C-Gate memory allocation from 256MB to 512MB. The option for this can be found in C-Bus Toolkit's Preferences dialog on the Advanced tab.

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### OTHER FIXES

- [TK-9742] - Support Join Mode for 3 key Saturn Zen unit.
- [TK-10447] – Rapid Wizard for Sensors does not save partname correctly, it won't show up in the database view after the unit is closed.
- [TK-10449] – Database view is not refreshing immediately after eDLT is saved to database.
- [TK-10155] - Cannot open a project that has over 20MB of data in it's xml
- [TK-10446] - Cannot open 18mb toolkit project file from customer



## WHAT'S NEW

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### FIX FOR SENTEMP4 UNITS

This release fixes a bug in 1.14.0 where unit programming was not loaded or saved correctly for the following units:

- SENTEMP4
- DIMAR12
- IOPE2C4
- SENLL
- DMXDO12

## WHAT'S NEW

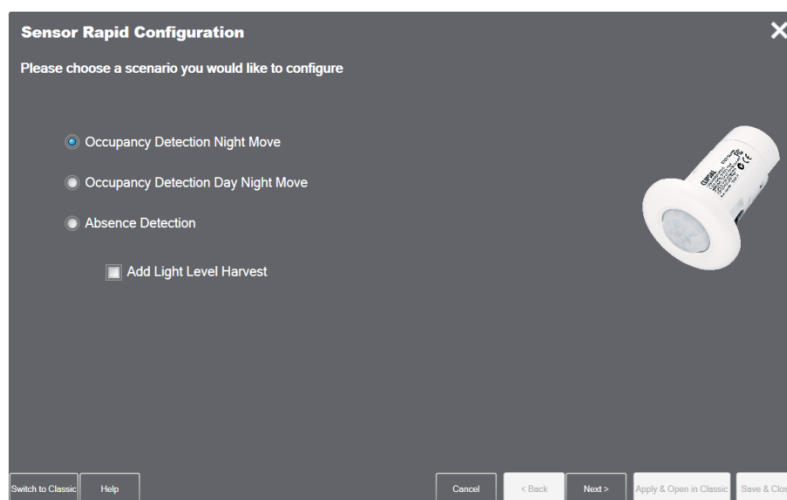
### SUPPORT FOR SATURN ZEN UNITS

This release contains commissioning support for a new unit range called 'Saturn Zen'. This includes unit types KEYH1, KEYH2, KEYH3, and KEYH4.

### SENSOR RAPID COMMISSIONING

There is a new 'Rapid Commissioning' UI for the following unit types:

- SENPILL FW V2.3.00 and V2.4.00
- SENPIRIB FW V2.4.00



This new UI is shown by default and presents a simple step-by-step wizard designed to cover the majority of use cases.

It is possible to switch between the Rapid Commissioning and the traditional UI.

### NO LONGER AVAILABLE ON WINDOWS XP

Clipsal by Schneider Electric ceased technical support for Windows XP in April 2014, in line with Microsoft's End of Life schedule.

C-Bus Toolkit now uses .NET Framework 4.5.2. This version of .NET is not available for Windows XP, as a result C-Bus Toolkit will no longer install or work correctly on that operating system.

## OTHER FIXES

TK-9989 - Fatal Error when opening EDLT unit

TK-10369 - Toolkit launches behind other applications

TK-7844 - Upgrade Open SSL Library

TK-7981 - Product image missing in CTC3 GUI

TK-10051 - EDLT lighting widget Key function resets its value after reopening

TK-10266 -TK Can not minimize correctly on the task bar in Win 7

TK-8008 – Help File - Links for all Tabs in SENTEMP4 dialog box do not come up on right hand side pane

TK-9720 – Help File - Update for Customer Site Fix (SENPILL + FW 2.4)

TK-7600 – Help File - Theres no help link for DLT Labels (Dynamic Labelling Technology)

## WHAT'S NEW

### JAVA 7 UPDATE

C-Gate now uses a Java 7 JRE instead of Java 6. Several libraries have been updated.

### TRANSMIT CACHE

C-Gate now caches an outgoing C-Bus command if it is identical to one already in progress. The subsequent instance(s) of the command will not be sent to C-Bus but will assume the response received by the first instance. C-Gate client applications are unaffected but the “cached command” will be noted in the C-Gate log. It is recommended to leave this feature enabled but if necessary you can disable it as follows:

```
cbus.tx-cache=no
```

### OPTIONS TO REDUCE NETWORK TRAFFIC

There are new config options which reduce the amount of traffic caused by background syncs. Testing has shown a reduction of 20%-40% in the number of queries performed by C-Gate. It is believed the majority of sites will not be affected by this reduced amount of data.

To implement this add the following seven lines to your C-GateConfig.txt file and restart C-Gate.

```
sync.app-stage.psync=no
sync.unit-parameter.project=9
sync.unit-parameter.areaaddress=9
sync.unit-parameter.patchversion=9
sync.unit-parameter.currentsenselevels=9
sync.unit-parameter.unitsummary=9
sync.unit-parameter.physicaloutputlevels=9
```

Note that the units in C-Gate’s model will now have a few properties with null values. This should not impact C-Bus Toolkit or Schedule Plus but other Clipsal applications and third-party client applications may well be affected.

To revert to the original behavior simply remove these seven lines again from your C-GateConfig.txt file.

### PCI POLLING FIXES

This release fixes a bug in the PCI polling feature that caused networks to go into error. It also fixed a bug where PCI polling could not be disabled.

Should you continue to encounter issues at times when you see PCI polling in the C-Gate log, you can disable it as follows:

```
network.pci.poll-interval=0
```

Note that disabling PCI polling will revert to the historical behaviour seen in C-Gate versions prior to v2.9.5 where networks would not go into error for up to an hour after the gateway unit had gone offline.

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## CONFIG OBRESET

This new command provides the ability to reset any customised config options associated with a project or network.

For example to reset an entire tag database file to the default config values use the following command sequence:

```
PROJECT LOAD MYPROJ
200 OK.
CONFIG OBRESET MYPROJ
200 OK.
PROJECT SAVE MYPROJ
200 OK.
```

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## C-GATE MANUAL

The C-Gate Manual has received several updates. Of particular note is a new section: **Reference -> Networks** which provides extensive detail on how C-Gate synchronizes networks and manages their error states.

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## KNOWN ISSUES

### JRE Downgrade

If you downgrade (by re-installing an older C-Gate version over the top) the Java 7 JRE will not be removed. The older C-Gate will have both a /jre7 and a /jre6 subdirectory and it will still be using the Java 7 JRE. While it should still work this is not a tested configuration. You can correct this by editing cgate.ini as follows:

```
JAVA_DIR=jre6
```