

# C-Bus C-Gate 3 3.7.0 Release Notes

SpaceLogic

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## C-Gate 3.7.0

Released

February 2026

### What's New

Updates to C-Gate include:

#### C-Bus Device Template

Support the saving and loading of templates for C-Bus devices as shown below:

- Loading Device Template (JSON) to the same type of Project device.
- Saving Device Template (JSON) to the same type of Project device.
- Loading Toolkit Unit Template (XML) to the same type of Project device.
- Loading and converting Toolkit Unit Template (XML) or Device Template (JSON) to project devices.

Supported devices:

- PIR Sensor devices (SENPIRIA from/to SENPIROA, SENPIRIB from/to SENPIRIC)
- C-Bus Mechanism Input devices (KEYE1, KEYE2, KEYE3, KEYE4)

#### C-Bus Application Items Creation

Support the creation of C-Bus Application items for the following specific devices:

		C-Bus Devices				
		Key Input Units	Digital Dimmers	High-Powered Digital Dimmer	Voltage Free Relays	DALI-2 Gateway
C-Bus Applications	Measurement					✓
	Error Reporting	✓	✓	✓	✓	✓
	Emergency Exit Light	✓	✓	✓	✓	✓

- C-Bus Key Input Units (KEYB2A, KEYB4A, KEYB6A, KEYH1A, KEYH2A, KEYH3A, KEYH4A)
- C-Bus Digital Dimmers (DIMDD8, DIMDD4)
- C-Bus High-Powered Digital Dimmer (DIMDH4)
- C-Bus Voltage Free Relays (RELDN16A, RELDN8A, RELDN4A)

### Fixes

None.

### Known issues

None.

## C-Gate 3.6.0

Released

September 2025

### What's New

Updates to C-Gate include:

#### C-Bus DALI-2 Gateway

- Support firmware version 1.12.0 of C-Bus DALI-2 Gateway (SYS\_DAL2)
- Device conversions:
  - PC\_DAL2B → SYS\_DAL2
  - PC\_DAL2C → SYS\_DAL2

#### C-Gate Command

PROJECT commands are enhanced to improve C-Bus project operations.

- Block specific operations if the C-Bus project is opened. The operations include:
  - PROJECT DELETE
  - PROJECT RENAME
  - PROJECT MOVE
- Remove Project folder and its subfolders during Project delete and Project rename operations:
  - PROJECT DELETE: Remove the entire project folder.
  - PROJECT RENAME: Remove the entire project folder if specified, i.e Set [remove-existing-project-directory] parameter to "yes".

#### Security Enhancements

- SQLite Java library update, 3.50.2
- Upgrade Java Runtime version to 11.0.28

### Fixes

None.

### Known issues

None.

## C-Gate 3.5.0

Released

June 2025

### What's New

Updates to C-Gate include:

#### **C-Bus DALI-2 Gateway**

Support firmware version 1.11.0 of C-Bus DALI-2 Gateway (SYS\_DAL2)

- Support RGB/RGBW parameter.

#### **C-Bus Voltage Free Relays**

Support the additional device conversion to Voltage Free Relays 5516RVF (RELDN16A) and 5508RVF (RELDN8A).

Conversions:

- RELDN12 → RELDN16A (Direct Replacement option)
- RELDN8B → RELDN8A

#### **C-Bus Automation Controllers**

Support Enable Clock parameter of C-Bus Automation Controllers (PC\_NAC, PC\_NAC2, PC\_SHAC, PC\_AC2)

#### **C-Bus Enhanced DLT 1.8**

Support firmware version 1.8.0 of Enhanced DLT (KEYGL5).

#### **Device Identification Improvement**

Improve the accuracy of Device Identification during network scan for C-Bus Key Input units (KEYB2A, KEYB4A, KEYB6A, KEYH1A, KEYH2A, KEYH3A, KEYH4A)

#### **C-Gate Command**

GET <C-Bus Unit> command: Introduce a new Live Device property – “Applications”. The property supports more than two application addresses.

#### **Security Enhancements**

Include the enhancements to the Java Runtime that strengthen the security of C-Gate.

### Fixes

- C-Bus Digital Dimmers and High-Powered Digital Dimmer (DIMDH4, DIMDD8 and DIMDD4): Fix the inconsistent upper limit of Dimmer Conduction Testing.

### Known issues

None.

## C-Gate 3.4.1

Released

February 2025

### What's New

Updates to C-Gate include:

#### **C-Bus Automation Controllers**

Support firmware version 2.1.0 of Automation Controllers (SYS\_NAC2, SYS\_AC2).

#### **C-Bus High Powered Digital Dimmers**

Support firmware version 1.0.0 of High Powered Dimmer (DIMDH4).

#### **C-Bus DALI-2 Gateway**

Include additional DALI Device (ECG) parameters in DALI scanning operation for performance improvement.

#### **Network Synchronisation**

NET SYNC command – Reject the network synchronisation request if one is already underway for the same network.

#### **Connect Using**

Introduce new network property named "OriginatelnProject" for Open Using feature in C-Bus Commission.

### Fixes

- Cyber security fixes
- C-Bus Voltage Free Relays (RELDN16A, RELDN8A and RELDN4A) – Turn On Threshold value is out of the valid range after the Relay device upgraded from the previous version.
- Shutter Relay (RELDB1) – The default firmware version is not 2.7.

### Known issues

None.

## C-Gate 3.4.0

Released

October 2024

### What's New

Updates to C-Gate include:

#### C-Bus Voltage Free Relays

Support the conversion to Voltage Free Relays 5516RVF (RELDN16A), 5508RVF (RELDN8A) and 5504RVF (RELDN4A).

Conversions:

- RELDN4 → RELDN4A
- RELDN8 → RELDN8A
- RELDN12 → RELDN16A

#### C-Bus Automation Controllers

Support firmware version 2.0.0 of Automation Controllers (SYS\_NAC2, SYS\_AC2).

#### C-Bus High Powered Digital Dimmers

Support firmware version 0.3.5 of High Powered Dimmer (DIMDH4).

#### C-Bus DALI-2 Gateway

Support firmware version 1.10.0 of C-Bus DALI-2 Gateway (SYS\_DAL2).

#### Java Upgrade

Upgrade the Java runtime environment (JRE) to version 11.

Updated instructions to install C-Gate on Linux is described in the following section. Note, the availability of the C-Gate 3 Linux Package for download online is currently delayed, ETA 1-2 weeks.

#### Details

- Component: Java runtime environment (JRE)
- Vendor: Eclipse Adoptium
- OpenJDK version: 11.0.24+8

#### Fixes

None

#### Known issues

None.

## Installing on Linux

### Prerequisites

- A 64-bit Linux operating system
  - Linux installation testing was performed on Ubuntu 22.04.3
- The C-Gate 3.4 package (cgate-3.x.x\_xxxx.zip)
- A 64-bit Java Runtime Environment (JRE)
  - OpenJDK JRE 11.0.24\_8 x64 is the recommended and supported version, which can be downloaded from the Adoptium website.

⚠ *Currently only 64-bit Linux operating systems are supported for installation*

### Folder Structure

The *application* folder is the folder where CGate.jar is located.

The *application data* folder is the folder where log and configuration files are stored. This location is defined by the CGATE\_APPDATA environment variable.

The *home* folder is the folder where project files are stored. This location is defined by the CGATE\_HOME environment variable.

### Clean Installation

1. Install the JRE and ensure it is set as the default
2. Extract the C-Gate zip package into
  - /usr/local/bin/cgate3
3. Set the CGATE\_HOME and CGATE\_APPDATA variables as permanent environment variables as defined below. If these variables are not set, then C-Gate will attempt to write project, log and configuration files in the same folder as CGate.jar (in which case ensure that the user account used to start C-Gate has been granted read and write permissions to that location)
  - CGATE\_HOME = /home/<username>/cgate3/home
  - CGATE\_APPDATA = /home/<username>/cgate3/appdata
4. Create the folders below (corresponding to the environment variables)
  - /home/<username>/cgate3/home/Projects
  - /home/<username>/cgate3/appdata/config
5. Navigate to
  - /usr/local/bin/cgate3
6. Execute
  - java -jar cgate.jar

### Migrate Existing Installation

- Make a backup of the C-Gate 2 folders.
  - Make a separate backup of the tag folder if the project XML files are not stored in the default folder C-Gate2\tag
- Follow steps 1 – 4 of the Clean Installation
- Copy files from the C-Gate 2 tag folder to the C-Gate 3 Projects folder
- Copy the CGateConfig.txt file from C-Gate 2 to C-Gate 3 (if needed)

- Follow steps 5 – 6 of the Clean Installation

Life Is On



## C-Gate 3.3.4

Released

August 2024

### What's New

Updates to C-Gate include:

#### C-Bus High Powered Digital Dimmers

- Rename the unit type of High Powered Dimmer (5504DHD) from DIMDD4A to DIMDH4.

#### C-Bus Voltage Free Relays

- Support firmware version 1.0.0 of Voltage Free Relays 5516RVF (RELDN16A), 5508RVF (RELDN8A) and 5504RVF (RELDN4A).

#### C-Bus DALI-2 Gateway

- Support firmware version 1.9.0 of C-Bus DALI-2 Gateway (5502CDGP230, SYS\_DAL2).

#### C-Gate Commands

- Support additional application addresses in TREE, TREEXML and TREEXMLDETAIL commands.
- Support catalogue number in TREEXML and TREEXMLDETAIL commands.
- Introduce Last Sync Time value of a network in GET command.

#### Fixes

- Concurrency issue of multiple client applications working on the same C-Bus device (scanning and deploying).

#### Known issues

None

## C-Gate 3.3.3

Released

July 2024

### What's New

Updates to C-Gate include:

#### C-Bus Key Input units

- Support firmware version 1.3.0 of C-Bus Key Input units (KEYB2A, KEYB4A, KEYB6A, KEYH1A, KEYH2A, KEYH3A, KEYH4A).

#### Home Controller

- Support firmware version 5.4.0 of Home Controller (SYSWSR2).

#### C-Bus Automation Controllers

- Support firmware version 1.18.0 of C-Bus Automation Controllers (SYS\_SHAC, SYS\_NAC, SYS\_NAC2, SYS\_AC2).

#### New applications data structure

- Introduce the data structure of Audio application and Media Transport applications.

#### Performance improvement

- Support cross pages parameters RECALL of C-Bus devices (DIMDD4, DIMDD8, KEYB2A, KEYB4A, KEYB6A, KEYH1A, KEYH2A, KEYH3A, KEYH4A).

#### Fixes

- Unable to set the group address of DALI Line A Object 0 (SYS\_DAL2).
- The catalogue number of a network device is not updated after replacing the device in the same address (All C-Bus devices).

#### Known issues

None

## C-Gate 3.3.2

Released

May 2024

### What's New

Updates to C-Gate include:

#### C-Bus Automation Controllers

- Support firmware version 1.17.0 of C-Bus Automation Controllers (SYS\_SHAC, SYS\_NAC, SYS\_NAC2, SYS\_AC2).

#### C-Bus DALI-2 Gateway

- Support firmware version 1.8.0 of C-Bus DALI-2 Gateway (SYS\_DAL2).

#### C-Bus Digital Dimmer

- Support reading group addresses of C-Bus 4 and 8 Channel Digital Dimmers during QSYNC command (DIMDD4, DIMDD8).

### Fixes

- Incorrect device description of C-Bus Automation Controllers (SYS\_NAC, SYS\_SHAC).
- Incorrect default value of Standby Brightness indicator and incorrect default value of Feature Enable in Linked Widget for new Saturn and Saturn Zen wall plates (KEYB2A, KEYB4A, KEYB6A, KEYH1A, KEYH2A, KEYH3A, KEYH4A).
- The issue of reading and saving Dimming Curve Selection and Dimming Profile Selection of C-Bus 4 and 8 Channel Digital Dimmers (DIMDD4, DIMDD8).

### Known issues

None

## C-Gate 3.3.1

Released

April 2024

### What's New

#### Support for New Saturn and Zen Key Input Units

- In this release, support has been added for the new Saturn and Zen key input units (KEYB2A, KEYB4A, KEYB6A, KEYH1A, KEYH2A, KEYH3A, KEYH4A).

### Fixes

None

### Known issues

None

## C-Gate 3.3.0

Released

April 2024

### What's New

Updates to C-Gate include:

#### C-Bus DALI-2 Gateway

- Additional Measurement and Error Reporting application parameters are now supported in this release (future client feature).

#### C-Bus Digital Dimmers

- The network burden property of the digital dimmer devices are now supported in the network calculator in this release.

### Performance Improvement

- Support has been added for the extended range of C-Bus replies for both new input and output devices in this release.

### Fixes

- Fixed an issue with setting the C-Bus power supply property for new output devices (future client feature).

### Known issues

None

## C-Gate 3.2.4

Released

February 2024

### What's New

Updates to C-Gate include:

#### C-Bus Digital Dimmers

In this release, support has been added for the dimmer mode and override flags in SET Commands in the C-Bus Digital Dimmer device DIMDD4 (5504D2D) and DIMDD8 (5508D1D).

#### C-Bus Automation Controller and Application Controllers

In this release, support has been added for version 1.16.0 of the C-Bus Automation Controller and C-Bus Application controller. This applies to the following devices:

- SYS\_SHAC (5500SHAC & LSS5500SHAC)
- SYS\_NAC (5500NAC & LSS5500NAC)
- SYS\_NAC2 (5500NAC2)
- SYS\_AC2 (5500AC2)

### Fixes

- Unexpected error when scanning C-Bus Universal Dimmer device (DIMDU4).
- Project conversion issues:
- Some projects appear with a “Failed” status (in C-Bus Commission and Toolkit), which may result from:
  - A conflict in the conversion process between project files
  - Importing a Toolkit backup project and proceeding to replace an existing project
  - XML files that are not actually project files (e.g. device template files)
  - Device template file is not being handled and incorrectly recognised as a normal project.
  - The conflict between the project XML files in backup folder and the XML file in Projects root folder, during Toolkit Project Restore operation.
  - Project not converted successfully is not reflected as Failed in PROJECT DIR command.
- When a project file is imported and replaced using Toolkit the XML project file shall not remain in the root project folder.
- Project XML files will be restore if a project conversion has failed.

### Known issues

None

## C-Gate 3.2.3

Released

January 2024

### What's New

Updates to C-Gate include:

- Support firmware version 1.3.0 of DIMDD4 (5504D2D) and DIMDD8 (5508D1D) C-Bus Digital Dimmer devices.

### Fixes

None

### Known issues

- Incorrect project conversion status reflected in C-Bus Commission or Toolkit upon restart. *Workaround: Close all C-Bus commissioning clients (both C-Bus Commission software and Toolkit) and restart the application(s).*
- Some projects appear with a “Failed” status (in C-Bus Commission and Toolkit), which may result from:
  - A conflict in the conversion process between project files
  - Importing a Toolkit backup project and proceeding to replace an existing project
  - XML files that are not actually project files (e.g. device template files)

## C-Gate 3.2.2

Released

November 2023

### What's New

Updates to C-Gate include:

- Update C-Bus DALI-2 Gateway firmware version default to version 1.7.0.
- Device update to support C-Bus DALI-2 Gateway and DALI Device Primary Control Function.
- Added support for C-Bus Network Devices section firmware update notification.
- Fixed the transfer of new levels to a C-Bus Controller within existing groups (refer to SpaceLogic C-Bus Commission 2.0.1 – DALI-2 Gateway Hotfix release notes for full details).

### Fixes

Project conversion in “Failed” or “Waiting” state.

- A data migration bug that may affect the conversion of some projects from XML to the new format is now resolved.

### Known issues

- C-Gate may still be running after closing the software.
- After the installation is complete, C-Gate will start up automatically.

## C-Gate 3.2.0

Released

October 2023

### What's New

#### Folder Changes

This release changes where the C-Gate application and its project files are stored on disk.

C-Gate is now installed into C:\Program Files\Schneider Electric\C-Gate 3 by default.

Project files are stored in C:\Users\YourUserName\Documents\C-Bus Commission 2\Projects

#### Project Format Change

This release introduces a new database format for projects, replacing the old XML format.

⚠ *This new project format is not editable outside of C-Gate and other associated C-Bus software.*

⚠ *This new project format is not compatible with C-Gate 2 or below.*

Old format projects are converted by C-Gate automatically to the new format as a background task when C-Gate is started. Projects are converted according to their last modified date, meaning that the most recently used will be converted first. Projects waiting to be converted or in the process of conversion cannot be opened until they have been successfully converted.

After conversion, backups of the old format projects can be found in

C:\Users\YourUserName\Documents\C-Bus Commission 2\Projects\ProjectName\XML Backup Files

where

- *YourUserName* is the name of your user account
- *ProjectName* is the name of the C-Bus project that was converted

⚠ *We strongly recommend creating a separate back up of projects before installing and running this release.*

#### C-Bus DALI-2 Gateway

This release adds support for the C-Bus DALI-2 Gateway (5502CDGP230) and DALI devices.

#### DIMDD4 / DIMDD8 Dimmers

This release adds support for the DIMDD4 (5504D2D) and DIMDD8 (5508D1D) dimmer devices.

#### Command API Changes

The PROJECT DIR command has been enhanced with a new optional parameter that includes additional information in the responses. If the parameter is not specified, then the responses are the same as in previous versions of the command.

There have been cybersecurity improvements to the command API.

## Installing on Linux

### Prerequisites

- A 64-bit Linux operating system
  - Linux installation testing was performed on Ubuntu 22.04.3
- The C-Gate 3.2 package (cgate-3.x.x\_xxxx.zip)
- A 64-bit Java Runtime Environment (JRE)
  - JRE 1.8.0\_202 is the recommended and supported version, which can be downloaded from the Oracle website

⚠ *Currently only 64-bit Linux operating systems are supported for installation*

### Folder Structure

The *application* folder is the folder where CGate.jar is located.

The *application data* folder is the folder where log and configuration files are stored. This location is defined by the CGATE\_APPDATA environment variable.

The *home* folder is the folder where project files are stored. This location is defined by the CGATE\_HOME environment variable.

### Clean Installation

7. Install the JRE and ensure it is set as the default
8. Extract the C-Gate zip package into
  - /usr/local/bin/cgate3
9. Set the CGATE\_HOME and CGATE\_APPDATA variables as permanent environment variables as defined below. If these variables are not set, then C-Gate will attempt to write project, log and configuration files in the same folder as CGate.jar (in which case ensure that the user account used to start C-Gate has been granted read and write permissions to that location)
  - CGATE\_HOME = /home/<username>/cgate3/home
  - CGATE\_APPDATA = /home/<username>/cgate3/appdata
10. Create the folders below (corresponding to the environment variables)
  - /home/<username>/cgate3/home/Projects
  - /home/<username>/cgate3/appdata/config
11. Navigate to
  - /usr/local/bin/cgate3
12. Execute
  - java -jar cgate.jar

### Migrate Existing Installation

- Make a backup of the C-Gate 2 folders.
  - Make a separate backup of the tag folder if the project XML files are not stored in the default folder C-Gate2\tag
- Follow steps 1 – 4 of the Clean Installation
- Copy files from the C-Gate 2 tag folder to the C-Gate 3 Projects folder
- Copy the CGateConfig.txt file from C-Gate 2 to C-Gate 3 (if needed)

- Follow steps 5 – 6 of the Clean Installation

#### Known Issues

- SLCC-1078: The DBNEW and DBSAVE commands are not working

#### Other Fixes

None