

SpaceLogic C-Bus Commission Release Notes

Version 2.6.0

C-BUS

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SpaceLogic C-Bus Commission 2.6.0

Released

August 2024

What's New

New C-Bus Voltage Free Relays

- This release includes full support for the new C-Bus Voltage Free 16, 8 and 4 Channel Relay devices – 5516RVF (RELDN16A), 5508RVF (RELDN8A) and 5504RVF (RELDN4A), including support for the latest release firmware version 1.0.0. When adding a new Relay to the project, it will be added as version 1.0.0 by default.
- The Firmware Updater includes the latest firmware version 1.0.0.

C-Bus DALI-2 Gateway and DALI Devices - Additional C-Bus Group Mapping Properties

- The C-Bus DALI-2 Gateway (5502CDGP230, SYS_DAL2) now supports C-Bus Lighting group mapping for control of Tunable White and RGB Colour control for DALI DT8 devices types. Two new properties now appear in applicable sections for the C-Bus DALI-2 Gateway and DALI controllable devices – “CCT/Hue Group” and “Saturation Group” per below:

- Broadcast Group*
- DALI Groups 1 to 16
- Virtual Groups 1 to 16
- DALI Device Address Mapping

Additional information:

- The “Group Mapping” name has been changed to “Brightness Group”.
- To control DALI Tunable White DT8 devices from C-Bus, the Brightness Group and the CCT/Hue Group properties must be configured – the Saturation Group property must remain “Unused”.
- To control DALI RGB Colour DT8 devices from C-Bus, the Brightness Group, the CCT/Hue Group and the Saturation Group properties must be configured.
- Configuring the CCT/Hue Group and the Saturation Group properties for devices other than DT8 will have no effect and are ignored by the C-Bus DALI-2 Gateway.
- The Application Index defined for the Brightness Group also applies to the CCT/Hue Group and to the Saturation Group.
- C-Bus Groups assigned to the Brightness Group, the CCT/Hue Group and to the Saturation Group (per the above list of sections) must be unique on the DALI Line, i.e. used only once for the DALI Line. Otherwise the mapping is invalid and control cannot be achieved.

Known Issue:

- CCT and RGB Colour control is not currently supported for the Broadcast Group (C-Bus DALI-2 Gateway Firmware limitation).

C-Bus DALI-2 Gateway Firmware Version 1.9.0

- The software now supports the latest C-Bus DALI-2 Gateway firmware version 1.9.0, which introduces the new C-Bus Group Mapping functionality mentioned above. When adding a C-Bus DALI-2 Gateway to the project, it will be added as version 1.9.0 by default.
- The Firmware Updater includes the latest firmware version 1.9.0.

Firmware Updater Window

- The Firmware Updater window is no longer embedded within the slide out Menu of the software. The window is now a standalone fixed window, eliminating the risk of accidentally closing it and potentially disrupting the firmware update process.

New Export Project Option - XML File Type

- It is now possible to export a SpaceLogic C-Bus Commission project back to the legacy XML file type format for use with legacy C-Bus tools such as Toolkit 1.16.x and C-Gate 2.x or earlier, or with 3rd party systems.

Note, the resulting file will not include information relating to new C-Bus devices, DALI Devices, new C-Bus applications and any other new data that did not exist (not supported) in the previous legacy environment.

Help File Update

- Updated help file contents to include the new C-Bus Group Mapping functionality mentioned above (Tunable White and RGB Colour properties) of the C-Bus DALI-2 Gateway.

Fixes

- The “full stop” character is now supported (valid character) in Part Name field for all C-Bus devices.
- Within the Application table of the Scene Manager (new Key Input Unit devices) or the Controller Project List Manager window (C-Bus Automation and Application Controllers), after selecting multiple groups and then clicking slightly outside a checkbox of another group selection checkbox, this will clear all the selected checkboxes.
- A group or level name can be created based on an existing group or level name however with a leading and/or trailing space. This is invalid (creates duplicates) and is not maintaining uniqueness. (Fixed in release v2.5.0).
- An incorrect validation error message is displayed when an unsupported Application address is used. The message states “Application Address is already in use”, whereas it should state “Unsupported Application Address selected”. Address range is now limited to valid limited options only. (Fixed in release v2.5.0).
- After adding multiple devices from Toolkit using the Add Multiple function, when loading a project device into the Properties window in SLCC, the SAVE button will be enabled. This is due to the serial number property being empty. (Fixed in release v2.5.0).

Known Issues

- A slight delay may be seen when switching views back and forth between the Measurement and Error applications where a large amount of data (150 items or more) exists.
- When switching from C-Bus Devices and Application Log view, Application Log will take time to refresh.
- From the new C-Bus Group Mapping functionality mentioned above, for DALI Devices when changing the Application Index where a Group is already configured, should that group already be assigned to another mapping property already a validation error is not displayed.
- The SpaceLogic C-Bus Commission software is not compatible with and cannot be installed onto Windows based PCs running ARM processors. No workaround exists at this time. Development investigations are currently underway to provide a solution.

C-Gate 3.3.4

- This release includes C-Gate 3.3.4 For further details, refer to the C-Gate release notes later in this document.

C-Gate 3.3.4

Released

August 2024

What's New

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

SpaceLogic C-Bus Commission 2.5.0

Released

July 2024

What's New

Additional Features for New Saturn and Saturn Zen Key Input Units

- Audio Widget support – control a zone of audio from the Key Unit.
- Audio and Media Transport action types in Sequence Manager – include audio actions into a Sequence.
- Lighting Label and Scene Trigger Label in Sequence Manager – include sending a label action into a Sequence (for compatible C-Bus devices on a network).
- Enable Scene Repair option in Scene Widget – choose if indicator reflects status of a broken scene once restored.

Help File Update

- Update help file with Key Input unit.

DALI-2 Gateway Firmware Update

- Firmware updater now includes the new DALI-2 Gateway firmware version 1.8.0.
- The default firmware version for a DALI-2 Gateway added to the project has been updated to 1.8.0.

New C-Bus Application Support – Audio and Media Transport Applications

- Add and delete Audio and Media Transport applications for a C-Bus network.
- Add and delete content within a dedicated workspace for the Audio and Media Transport applications.

Digital Dimmer Live Load Testing

- When using a custom load profile for a channel of the new Digital Dimmers, it is now possible to perform live testing of the channel to explore and test the behaviour before deployment.

Fixes

- A LSS5500NAC/SHAC device description is now displayed correctly.
- Performance improvement when displaying devices in the project workspace from a project where device names do not exist.
- Unable to resize the C-Bus Commission window via right or bottom corner.
- Device Extract operation fails sometimes .
- Measurement application values is now presented correctly from Live Network in Application log section.
- Allowing the same value (20V) to be set on both C-Bus Voltage Warning threshold and C-Bus Voltage Critical Set thresholds.

Known Issues

- A slight delay may be seen when switching views back and forth between the Measurement and Error applications where a large amount of data (150 items or more) exists.
- When switching from C-Bus Devices and application log view, application log will take time to refresh.
- Measurement value is displayed on short address instead of Object ID
- Phantom DALI lines will display after readdressing DALI Gateway
- A group or level name can be created based on an existing group or level name however with a leading and/or trailing space. This is invalid (creates duplicates) and is not maintaining uniqueness.
- After adding multiple devices from Toolkit using the Add Multiple function, when loading a project device into the Properties window in SLCC, the SAVE button will be enabled. This is due to the serial number property being empty. **Workaround:** Click the SAVE button which will save the default serial number for the device (all zeros).
- An incorrect validation error message is displayed when an unsupported Application address is used. The message states “Application Address is already in use”, whereas it should state “Unsupported Application Address selected”.
- Within the Application table of the Scene Manager, after selecting multiple groups and then clicking slightly outside a checkbox of another group selection checkbox, this will clear all the selected checkboxes.

C-Gate 3.3.3

- This release includes C-Gate 3.3.3 For further details, refer to the C-Gate release notes later in this document.

C-Gate 3.3.3

Released

July 2024

What's New

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 application.

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

SpaceLogic C-Bus Commission 2.4.0

Released

May 2024

What's New

New Features for New Saturn and Zen Key Input Units

- Multi Toggle Widget
- Linked Widget
- Enable Scene Repair Option
- New Key Functions – Preset on Short Press and Preset on Long Press for Lighting and enable Widget
- Sensor Stabilisation time delay for temperature and humidity

Help File Update

- Update help file with Key Input unit.

DALI-2 Gateway Firmware Update

- Firmware Update for DALI-2 Gateway version 1.8.0 is available.

Features v1.8.0 vs v1.7.0

- Bug Fixes
 - Fix issue where Measurement Application messages used Short Address instead of Object ID as channel number
 - Fix issue where under some circumstances gateway participated in C-Bus status correction for unused groups
- Default Firmware added to the project has been updated to 1.8.0 for DALI-2 Gateway

Fixes

- Fixed the error “Device not ready” when try to load devices in project.
- Reliability improvement when scanning network
- Stability improvement on overall software
- Unit over temperature property in Digital Dimmer is not showing
- Update Status Request Interval for New Wall Plates Unit to be consistent with Legacy, renamed the field to Status Report.
- Default settings for indicator for New Wall Plates units is now consistent with legacy devices, where Standby brightness indicator in indicator section is now updated to 100% when adding a new device from the library.
- Switching projects 10 or more times will result in a decrease in software performance.
- Clicking on the Main Menu repeatedly will result in a decrease in software performance.

Known Issues

- A slight delay may be seen when switching views back and forth between the Measurement and Error applications where a large amount of data (150 items or more) exists.
- Phantom DALI lines will display after readdressing DALI-2 Gateway
- After deployment and switching back to Property Editor view, enable levels will not be able to edit.
Workaround: *Unselect and reselect the device again.*
- For the new Saturn and Saturn Zen Key Units, widgets that are not assigned in the key may be listed for the Control widget property (within the Linked widget) if that Linked widget is reused in another key. **Workaround:** Click on the Save button in the Properties window after configuring a Linked widget before proceeding to configure other keys.

Known Issues in Key Input unit firmware

"Linked events of "Control Widget Turns On" and "Control Widget Turns On" do not function correctly when used with Retrigger Timer key function in firmware v1.1.0".

C-Gate 3.3.2

- This release includes C-Gate 3.3.2 For further details, refer to the C-Gate release notes later in this document.

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 during QSYNC command (DIMDD4, DIMDD8).

Fixes

- Incorrect device description of C-Bus Network Automation Controller (SYS_NAC, SYS_SHAC).
- Incorrect default value of Standby Brightness indicator and Feature Enable of Linked Widgets (KEYB2A, KEYB4A, KEYB6A, KEYH1A, KEYH2A, KEYH3A, KEYH4A).
- Incorrect default value of Standby Brightness indicator (KEYB2A, KEYB4A, KEYB6A, KEYH1A, KEYH2A, KEYH3A, KEYH4A).
- The issue of reading and saving Dimming Curve Selection and Dimming Profile Selection (DIMDD4, DIMDD8).
-

Known issues

None

SpaceLogic C-Bus Commission 2.3.0

Released

April 2024

What's New

Support for New Saturn and Zen Key Input Units

This release includes full support for the new Saturn and ZEN key input units (KEYB2A, KEYB4A, KEYB6A, KEYH1A, KEYH2A, KEYH3A, KEYH4A). This supports configuring and commissioning of the device from project to network.

○ **Features:**

- 4 profiles
- 4 Lighting Applications
- Lighting, Enable, Trigger, Fan Cycle, Timer, Shutter Relay, Scene and Sequence Widgets
- Per-key setting of ramp rate
- Per-Key setting of indicator on and off state colour
- 8 Pre-defined colours
- 2 User-definable indicator colours
- 5 dynamically controllable indicator colours
- Multiple Lighting Applications
- Sequence Manager
- Scene Manager
- Scene Toggle/Ramp
- Corridor Linking
- Error Reporting
- Nightlight Configuration
- Standby Configurations
- Temperature and Humidity available via Measurement Application
- High/Low Temperature and Humidity alarms
- Sequences

Help File

Update help file with Key Input unit.

Fixes

- User cannot transfer 4 channel to 8 channel and vis versa.
- Reliability improvement when scanning network
- Stability improvement on overall software

Known Issues

- A slight delay may be seen when switching views back and forth between the Measurement and Error applications where a large amount of data (150 items or more) exists.
- Clicking on the Main Menu repeatedly will result in a decrease in software performance.
- Switching projects 10 or more times will result in a decrease in software performance.
- Measurement application values presented from the live network may not appear truncated and rounded to reasonable decimal places.
- Unit over temperature property in Digital Dimmer is not showing
- When switching from C-Bus Devices and application log view, application log will take time to refresh.
- Measurement value is displayed on short address instead of Object ID
- Phantom DALI lines will display after readdressing DALI Gateway

C-Gate 3.3.1

This release includes C-Gate 3.3.1 For further details, refer to the C-Gate release notes later in this document.

C-Gate 3.3.1

Released

April 2024

What's New

None

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.

C-Bus Digital Dimmers

The Digital dimmer devices are now supported in the network calculator in this release.

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).

Key Input Devices

The default firmware version has been updated to version 1.1.0 in this release.

Performance Improvement

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

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.

SpaceLogic C-Bus Commission 2.1.2

Released

January 2024

What's New

New C-Bus Digital Dimmer firmware released

New firmware is now available for the DIMDD4 (5504D2D) and DIMDD8 (5508D1D) C-Bus Digital Dimmer devices and is version 1.3.0. This is seen in the Firmware Updater window and is also the default firmware version when adding a new device to a network.

Channel Dimming Mode comparison when deploying the C-Bus Digital Dimmers

As required for the C-Bus Digital Dimmer version 1.3.0 firmware, the dimming mode for each channel must be confirmed during the device installation process. The software now performs a comparison upon deployment of a C-Bus digital dimmer, checking for differences between the dimming mode set for all channels of the dimmer within the software versus the dimmer on the live network. If any differences are found, a window is then presented including the results and instructions for next steps (continue to deploy or cancel).

Updated Custom Load Profile settings and default values (C-Bus Digital Dimmers)

The custom load profile settings and default values of the C-Bus Digital Dimmer have been updated to improve the dimmer performance for certain load types and when setting a Mains Frequency of 60 Hz. Changes apply to the following properties: Minimum Brightness and Maximum Brightness, Soft Turn On and Soft Turn Off, Kickstart Brightness and Kickstart Turn On.

Fixes

- When performing a Transfer to or Retrieve from a C-Bus Automation Controller and Application Controller, if a Level name already exists in a Lighting application, it is not counted and presented within the Duplicate count.
- C-Bus DALI-2 Gateway keeps displaying "C-Gate Error" when extracting that was previously loaded (Full Gateway Scan required after DALI line changes).
- Stop Identify (DALI device) was not always successful.
- The loading of live DALI devices into the PE was not displaying the correct information.

Known Issues

- A slight delay may be seen when switching views back and forth between the Measurement and Error applications where a large amount of data (150 items or more) exists.
- Clicking on the Main Menu repeatedly will result in a decrease in software performance.
- Switching projects 10 or more times will result in a decrease in software performance.
- Measurement application values presented from the live network may not appear truncated and rounded to reasonable decimal places.

- When transferring to a C-Bus Automation Controller and Application Controller, updating a Tag Map name will create an Object if one does not exist, this can result in additional objects created in C-Bus Automation Controller and Application controller that were not defined in the Object List of software.

C-Gate 3.2.3

This release includes C-Gate 3.2.3 For further details, refer to the C-Gate release notes later in this document.

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)

SpaceLogic C-Bus Commission 2.1.0

Released

December 2023

What's New

Import and Export of projects.

You can now Export and Import your projects to share with your team or keep as a backup. Only single project files are supported.

Notification upon loss of C-Gate connection.

Users will now see a notification if C-Gate has lost connection at any time.

Notification upon closing the project, switching projects, or exiting the software if deployment activities are in progress or if a network scan is in progress.

User will now receive notification upon closing, switching, or existing the software if the deployment activities are in progress. Users will need to cancel all other waiting activities before performing these functions.

New properties in the Error Reporting category of the new C-Bus Digital Dimmers (dimmer firmware v1.1.0).

Users can now configure more error reporting properties for the new digital dimmers. Users can now set error reporting for C-Bus voltage warning set and clear, C-Bus voltage critical set and clear thresholds and C-Bus power supply warning set and clear thresholds.

New properties in the Measurement category of the new C-Bus Digital Dimmers (dimmer firmware v1.1.0).

User can now configure more measurement parameters for regular broadcast options.

Support for local interface device unit type on live network (PCLOCAL4 and PCLOCALU).

Users can now configure, deploy, and extract with PCLOCAL4 and PCLOCALU devices.

Notification when closing a network when there are deployment activities in progress or when network scanning is in progress

Users will now receive notification upon closing a network if there are deployment activities in progress. Users will need to cancel all other waiting activities before performing these functions.

Disallow extract of unmatched C-Bus Bridge devices

Users will not be allowed to extract C-Bus Bridge devices if they are unmatched. There must be an existing bridge device in the project to be able to extract the device from live.

New Status column in the C-Bus Network Devices section.

A Status column has been added to the C-Bus Network Devices section of the C-Bus Devices workspace. This column contains a firmware notification icon against each applicable device when a newer version of firmware is available for a live device scanned on the network.

New C-Bus DALI-2 Gateway firmware.

The latest firmware for the C-Bus DALI-2 Gateway is version 1.7.0. This is seen in the Firmware Updater window and is also the default version when adding a new device to a network. C-Bus DALI-2 Gateway firmware version 1.6.0 has been removed from the software.

Fixes

- C-Bus DALI-2 Gateway and DALI Device Primary Control Function now includes instant ramp.

To support C-Bus DALI-2 Gateway firmware version 1.7.0, the C-Bus DALI-2 Gateway and DALI Device Primary Control Function has been updated to support an Instant setting. The 8.0 sec value has been removed from the Primary Control Function options. If you have an existing C-Bus DALI-2 Gateway or DALI Device configured, please check your Primary Control Function settings as the values have changed from the previous configuration by one setting.

- Levels are missing when transferring to a C-Bus Automation Controller and Application Controller.

New/additional levels within groups that already exist within the C-Bus Automation Controller and Application Controller were not being transferred from the software to the C-Bus Automation Controller and Application Controller. This issue is now resolved where new levels will be successfully added to existing groups on the next transfer from the software to the C-Bus Automation Controller and Application Controller.

- Some projects not able to convert to new project files
- Software freezing during Digital Dimmer deployment
- Levels missing when transferring to a C-Bus Automation Controller and Application controller
- Export logs will always show if the file was created

- When upgrading the firmware of Digital Dimmers or the DALI-2 Gateway, the new firmware version will not be reflected in the live network section of the workspace until a rescan of the network is performed
- In Bridge units, when remote C-Gate Applications are both unchecked, the policy rules were still enabled
- When connecting to the Automation Controller and Application controller, the user could not use the enter key on the keyboard to proceed with login

Known Issues

- A slight delay may be seen when switching views back and forth between the Measurement and Error applications where a large amount of data (150 items or more) exists.
- Clicking on the Main Menu repeatedly will result in a decrease in software performance.
- Switching projects 10 or more times will result in a decrease in software performance.
- Measurement application values presented from the live network may not appear truncated and rounded to reasonable decimal places.
- When transferring to or retrieving from a C-Bus Automation Controller and Application Controller, if a Level name already exists in a Lighting application, it is not counted and presented within the Duplicate count.
- When transferring to a C-Bus Automation Controller and Application C-Bus Automation Controller and Application Controller, updating a Tag Map name will create an Object if one does not exist, this can result in additional objects created in C-Bus Automation Controller and Application controller that were not defined in the Object List of software.

C-Gate 3.2.2

This release includes C-Gate 3.2.2. For further details, refer to the C-Gate release notes later in this document.

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 Automation Controller and Application Controller within existing groups

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.

SpaceLogic C-Bus Commission 2.0.0

Released

October 2023

Introduction

Welcome to the new SpaceLogic C-Bus Commission software. With this release, the C-Bus Commission software offers capabilities to design a C-Bus project and incorporate the new C-Bus DALI-2 Gateway and DALI devices as well as the new C-Bus Digital Dimmer devices.

A shortlist of activities that can be performed include:

- Create new, open and work with existing C-Bus Projects
- Support standalone and bridge C-Bus network topologies
- Add, Delete and Edit C-Bus application data
 - Including the newly supported applications Error, Measurement, and Emergency & Exit Lighting
- Add, Readdress and Delete C-Bus devices
- Configure supported devices
- Open and scan C-Bus networks
- Deploy and extract supported devices
- Update C-Bus device firmware
- Define DALI lines
- Create and pre-program / plan DALI ECG devices
- Scan, Unravel, Identify and Reconcile DALI devices with the project
- Configure and deploy to DALI devices
- Deploy C-Bus applications from a project to a C-Bus Automation Controller and Application Controller tag map for supported applications
- Deploy a customised list of objects uniquely assigned per C-Bus Automation Automation Controller and Application Controller
- Extract network and tag maps from all networks in a C-Bus Automation Controller and Application and update them in the project
- Extract object lists from a C-Bus Automation Controller and Application and add them to the project
- Create and save customised load profiles as supported by the new C-Bus digital dimmers

Need to Know

The new C-Bus Commission software is built upon and includes a new version of C-Gate (C-Gate 3.2.0). The new version of C-Gate requires that updates are performed to the broader suite of C-Bus software installed on the PC including C-Bus Toolkit, plus other applications such as PICED, etc.

If you have C-Bus Toolkit V1.16.x or earlier currently installed on your PC, you **must** also install the latest release of C-Bus Toolkit (V1.17.0 or later) accompanying this release of C-Bus Commission. Both C-Bus Toolkit and C-Bus Commission software applications are bundled with C-Gate 3.2.0.

For correct operation, other C-Bus software installed on your PC, such as PICED, HomeGate, etc. must also be updated to work with C-Bate 3.2.0.

The new software approach to design, configure and commission a C-Bus solution is an evolution of known methods. The C-Bus Commission software enables the configuration and deployment to new C-Bus devices including the new C-Bus DALI-2 Gateway and DALI devices as well as the new C-Bus

Digital Dimmer devices. C-Bus Toolkit can continue to be used for other C-Bus devices in your project.

This multi-tool approach offers a level of synergy between both C-Bus software applications. Use both C-Bus Toolkit and C-Bus Commission for the task at hand, meaning for key fundamental design functionality you could use either, for supported C-Bus devices use C-Bus Commission and for remaining C-Bus devices use C-Bus Toolkit. Outstanding functionality can still be performed in C-Bus Toolkit as per usual.

Importantly, you can work on the same C-Bus project from either the C-Bus Toolkit software or the C-Bus Commission software. The same project file is used.

What's New

New Project Format

This release includes support for the new project file format used by C-Gate 3.2.0. Only projects that have been successfully converted can be opened.

 *Once projects have been converted to the new format, they cannot be used by C-Gate 2 or below.*

The project conversion process creates a backup of the old project file, which 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.*

If project files are being shared between team members, then all people working on that project will have to upgrade to this release of C-Bus Commission, as well as upgrade to C-Bus Toolkit 1.17.0 (or later) at the same time.

C-Bus Toolkit versions less than 1.17.0 still include and use C-Gate 2. These C-Bus Toolkit versions must not be re-installed onto a PC that has been updated to use C-Bus Commission and C-Bus Toolkit 1.17.0. This is because C-Gate 2 and C-Gate 3 cannot co-exist on the same PC.

Updated User Interface

The C-Bus Commission user interface has been revamped to give it a fresher, modern look, but many operations will still feel familiar to long time C-Bus Toolkit users.

Window Layouts

Docking and undocking of windows is now supported to allow the layout to be customised to suit the task being performed. Any customised layout will be remembered and restored the next time the application is started, which can be enabled or disabled via the Settings > General Settings > Remember Window Layout option.

Projects

Unlike C-Bus Toolkit, C-Bus Commission allows you to only work with one active project at a time. The current open project will be closed when you switch to another project. This means that once a project is opened, the project Explorer window only displays that single project.

The project hierarchy displayed in the Explorer window for an open project now includes the DALI lines that are accessible from each C-Bus network. These can be found under the DALI Devices node. DALI lines are automatically added to the node when C-Bus DALI-2 Gateway devices are added to a C-Bus network in the Devices in Project list of the C-Bus Devices node.

C-Bus Device Name

C-Bus Commission introduces a Device Name property for C-Bus devices. It exists to supersede the Tag Name field as you know it from C-Bus Toolkit.

Upon opening an existing project and selecting a C-Bus network for the first time, the C-Bus Commission software will work through the list C-Bus devices and populate the Device Name property with a unique Device Name.

If a Tag Name or Part Name have already been defined for a device, then either of them will be used for the new Device Name property. A Tag Name other than NEWUNIT will be used before the Part Name. If the Part Name is also NEWUNIT then the device's catalogue number will be used.

The Device Name can be modified and saved using the "Name" property at the top of the Property Editor for a selected device.

When adding devices to a project using the Add Multiple function of the Library, you have the option to define the Device Name at this time to speed up this process in new projects. When adding devices one at a time to a project, the Device Name will be defined as a catalogue number by default.

Properties (Property Editor)

C-Bus Commission now provides an integrated editor for device properties. This is a significant change to the unit dialogs used in C-Bus Toolkit. Properties are organised into categories of related properties and are adaptive (enable, disable, etc) based on values being selected. Categories can be expanded or collapsed to suit, but this state is not persisted between sessions.

To display the properties for a project device, single click on a device in the C-Bus Devices > Device in Project or DALI Devices > DALI Line > Devices in Project lists.

To display the properties for a network device, double click on a device in the C-Bus Devices > Network Devices or DALI Devices > DALI Line > Line Devices lists.

Changes are saved by clicking the Save button at the bottom of the Properties window. Likewise, they can be cancelled by clicking the Cancel button at the bottom of the Properties window. Changes can be saved back to the project or network device at the same time by selecting the Deploy to Network or Save to Project option.

Deployment Queue

C-Bus Commission now provides an integrated queue for viewing the status of jobs that are transferring configurations between project and network devices. This means that you can now continue to work on other devices while the configuration of one is being saved to/from the network, which represents a significant improvement from C-Bus Toolkit.

Catalogue Library

C-Bus Commission now provides an integrated catalogue of C-Bus and DALI devices. The Library window is adaptive and displays C-Bus devices when a C-Bus Devices node is selected in the Explorer window and displays DALI devices when a DALI line node is selected in the Explorer window.

The Library window allows you to search for and filter devices based on given criteria to make it easier to find the required device. A single instance of a device can be added by either double-clicking it, dragging it to the Workspace area, or clicking the Add button. Multiple instances of the device can be added by using the Add Multiple option from the Add button.

C-Gate Runtime

C-Bus Commission automatically starts and stops C-Gate locally when it is started and stopped. This is regardless of whether C-Gate is running in service or console mode.

C-Bus Commission will not attempt to stop C-Gate if there are other clients such as, for example, Schedule Plus or C-Bus Toolkit connected to it.

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.

Supported C-Bus Devices

Within this release of C-Bus Commission, only the below listed C-Bus devices are fully supported at this stage. Any remaining C-Bus devices must be configured and commissioned in C-Bus Toolkit.

- 5502CDGP230 – C-Bus DALI-2 Gateway (and DALI devices)
- 5504D2D and 5508D1D – Digital Dimmers
- 5500NB – Network Bridge
- 5500PC (PCINT4), SLC5500PC (PCINT4), 5500PCU – PCI Interface
- 5500CN2 – CNI Interface
- 5500NAC, 5500NAC2, 5500SHAC, 5500AC2, LSS5500NAC, LSS5500SHAC – C-Bus Automation and Application Controllers
- 5200WHC2, WHC2_5918 – C-Bus Wiser 2 Controllers

Supported means all properties/options can be configured, with Deploy to and Extract from a matched C-Bus device on the live network possible.

Software Features (New)

C-Bus:

- Create, Open, Close and Rename project
- Add Single and add multiple C-Bus devices to project / Delete devices from project
- Configure, Extract and Deploy supported devices
- C-Bus applications supported: Lighting (48-127), Enable, Trigger, Error Reporting, Measurement, Emergency Exit Light
- Application Log
- Firmware Updater – latest firmware for C-Bus devices
- General Settings
- Transfer to and Retrieve from a C-Bus Automation Controller and Application Controller
- Open/Scan/Unravel C-Bus networks

- Convert existing LE dimmers to new Digital dimmers
- Deployment Queue

DALI:

- Add Single and add multiple DALI devices to project / Delete devices from project
- Configure DALI devices in project and network: DT1, DT6, DT0, DT6 part of DT8
- Deploy and Extract of DALI devices
- Readdress Short Address in project and live
- Identify, 50/50 Identify and reconcile device
- Quick scan, Extended scan of DALI lines / Full Gateway Scan
- Reset/Remove/Replace DALI Devices
- Discover Faults on DALI lines
- Address all Unaddressed DALI devices

Future Features Planned for Development

- Edit Network
 - Currently C-Bus Commission has no method for editing the interface settings of a network, preventing users from defining a new serial port or interface type for the network
 - This feature will be added in the future, along with a new feature called Open Using that allows a temporary interface to a network to be opened without the need to modify the project's designed network topology
- Extract and Deploy all C-Bus devices (include unsupported devices)
 - Currently C-Bus Commission does not provide the means to extract or deploy C-Bus devices that do not have a full implementation within the Properties window.
 - Currently C-Bus Commission and C-Bus Toolkit are required to be used together in sequence to extract or deploy C-Bus devices that are supported within each application (see the supported C-Bus devices section within these release notes)
- Import and Export of project
 - Currently C-Bus Commission does not provide the ability to import or export projects
 - This feature remains in C-Bus Toolkit 1.17.0 and it will import / export all project contents created for the project
- Dimmer Load Profile live testing
 - Currently the digital dimmer configuration must be deployed to the device and tested using C-Bus commands to observe the impacts of their modifications
 - In a future release of C-Bus Commission a feature will be added that will allow for rapid validation of configuration changes against a load when creating a custom load profile or dimming curve for the new C-Bus digital dimmers
- Network Topology view
- Network Calculator
 - Currently C-Bus Commission does not provide the ability to calculate network metrics for devices within the project
 - This feature is still present in C-Bus Toolkit 1.17.0 (and above) and supports all new C-Bus devices that are supported by C-Bus Commission

Known Issues

- A slight delay may be seen when switching views back and forth between the Measurement and Error applications where a large amount of data (150 items or more) exists.

- Clicking on the Main Menu repeatedly will result in a decrease in software performance.
- Switching projects 10 or more times will result in a decrease in software performance.
- When upgrading the firmware of Digital Dimmers or the DALI-2 Gateway, the new firmware version will not be reflected in the live network section of the workspace until a rescan of the network is performed.
- Measurement application values presented from the live network may not appear truncated and rounded to reasonable decimal places.

C-Gate 3.2.0

This release includes C-Gate 3.2.0. For further details, refer to the C-Gate release notes later in this document.

 *This release of C-Bus Commission is not compatible with C-Gate 2 and below.*

 *C-Gate 2 and C-Gate 3 cannot co-exist on the same PC.*

Other Fixes

None

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\SpaceLogic 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

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Other Fixes

None