

# Schedule Plus 5 Release Notes

C-BUS

## Table of Contents

Schedule Plus 5.0.3 .....	1
Released .....	1
What's New .....	1
Removal of License Keys .....	1
Adjustments to Network Status Indicators .....	1
Adjustments to Network Status Detection .....	1
Adjustments to Logging .....	2
Other Fixes .....	2
Schedule Plus 5.0.2 .....	3
Released .....	3
What's New .....	3
Image Loading .....	3
Other Fixes .....	3
Schedule Plus 5.0.1 .....	4
Released .....	4
What's New .....	4
Dongles .....	4
Other Fixes .....	4
Schedule Plus 5.0.0 .....	5
Released .....	5
What's New .....	5
Web Server .....	5
Database Logging .....	5
Database Reporting .....	5
Drawing File Support .....	5
Other Fixes .....	5

## Schedule Plus 5.0.3

Released

April 2018

### What's New

#### Removal of License Keys

This release removes the need for hardware license keys (dongles) during the operation of Schedule Plus. It is still required that a license appropriate to the intended use (number of networks) be purchased, but from this version onwards the hardware license is no longer required to be present during operation. Versions prior to this one still requires the license to be present, and future versions may require the hardware license to be transferred to have continued operation of Schedule Plus.

#### Adjustments to Network Status Indicators

This release modifies how the network status is represented in the status bar. Previously this was a text based description that included a multi-coloured bar representation. Under normal circumstances this text could be hard to read and in certain conditions the information in it could be incorrect. The following picture illustrates the new layout of the indicators.



From left to right the indicators are:

- Online (green)
- Offline / Error (red)
- Syncing (orange)
- Operational (yellow)
- Not in Use (grey)

These indicators are only shown when Schedule Plus is connected to C-Bus. If you hover the mouse above any of the segments in the status bar, a tool tip will be displayed that indicates the meaning of that segment. It should be noted that there is no special relationship between the numbers shown. For example, if you add them together they won't necessarily equal the total number of networks in the project. Any network whose **Use in Project** flag is not set will be included in the **Not in Use** status, regardless of its actual state.

#### Adjustments to Network Status Detection

This release improves how Schedule Plus detects when networks are opened or closed by external means (e.g. through Toolkit, the C-Gate console, etc.). Previously, Schedule Plus could detect an external closure of a network and adjust the status accordingly, but when a network was opened externally it did not detect this scenario and the network remained in the offline state. Schedule Plus now receives notifications from C-Gate when the network interface changes state to open, puts the network into the sync state and issues a command to C-Gate to force a sync of that network. This

helps to bring the network back online within Schedule Plus as efficiently as possible. A side effect of this change is that it improves the interoperability between Schedule Plus and Toolkit.

### Adjustments to Logging

Elements of the logging functionality have been improved in this release.

The **Event Log** window has been refactored to make it easier to review the log entries and the options have been consolidated onto one tab now, which should make it easier to understand the interactions between them.

Logging previously occurred within the main program thread, which meant that log entries may not have been recorded under certain situations. In this release, the logging functions now run in a separate program thread, which should improve this situation.

Log files are now named using the following convention:

SchedulePlusyyyyymmdd-n.txt

where,

- *yyyy* is the current year
- *mm* is the current month
- *dd* is the current day
- *n* is the file number for the current day

The file number starts at 1 for the current day and, if the **Limit File Size** option is enabled, will increment each time a file exceeds 10MB for the current day and a new file will be started. A new log file will automatically be started when the date rolls over.

### Other Fixes

- SP-3752 – Communication issues trying to open a closed CNI network.
- SP-3756 – Incomplete opening and synchronisation of a closed C-Bus network.
- SP-3832 – Show C-Gate Messages logging option not persisted between sessions.
- SP-3833 – Page names containing \ and / cause HTML compilation to fail.
- SP-3835 – Fix webcam refresh rate being ignored.
- SP-3836 – Improve locking for objects accessed concurrently by Schedule Plus and web services.
- SP-3837 – Fix access violation in Scene Editor window.

## Schedule Plus 5.0.2

Released

June 2017

### What's New

#### Image Loading

This release modifies how images for the project are loaded. Previously all images were loaded in to memory when the project was opened. For compressed image formats, such as PNG, which are decompressed when loaded, this caused a large increase in the memory used by Schedule Plus. Images are not loaded on a just in time basis, but once loaded they remain in memory until the project is closed. This improves Schedule Plus's ability to open projects that contain many high-resolution images.

NOTE: Projects that contain many high-resolution images will still experience issues when switching to operation mode if the Web Server function is enabled. You can avoid these issues by disabling the Web Server for the project in the Project Details window.

#### Other Fixes

- SP-3830 – Fixed a crash when opening a project with many high-resolution images.

## Schedule Plus 5.0.1

### Released

January 2017

### What's New

#### Dongles

This release removes the requirement for installer dongles to be version 5. This means that customers who have previously purchased an Installer dongle for use with earlier versions will now be able to use them with version 5.

### Other Fixes

- SP-3827 – The All Profiles group does not include more than 16 profiles, regardless of how many are created.

## Schedule Plus 5.0.0

### Released

March 2016

### What's New

#### Web Server

This release introduces a web server, which can optionally be enabled for a project to allow control of it via a web browser. The web server supports both unsecured HTTP and secured HTTPS connections. Access to the web server is by profiles created within the project. With a few exceptions, most Schedule Plus functionality and components can be controlled via the web server. Multiple clients connected via the web server will be synchronized, that is, if a group is turned on in one client then all the other clients will reflect that change. The web server currently supports up to 10 concurrent clients. It has been tested with all popular browsers (Chrome, Internet Explorer, Firefox, Safari, and Opera).

#### Database Logging

This release introduces the ability to log C-Bus events to a Microsoft SQL Server database (2008 R2 or above). The information recorded includes C-Bus project data (networks, applications, groups, levels), C-Bus application data (lighting, measurement, error reporting, HVAC, irrigation) and the Schedule Plus log. The database can also be periodically backed up and a snapshot of the Schedule Plus project recorded in the database. The installer provides an optional component that will install Microsoft SQL Server 2008 R2 Express. If you elect not to install this component, then the database functionality may still be used if you already have another instance of SQL Server installed.

#### Database Reporting

On top of the Database Logging functionality, this release introduces the ability to report on the information recorded in the database using Crystal Reports. This functionality is supported by a dedicated reporting window and new special functions for generating reports.

#### Drawing File Support

This release introduces the ability to incorporate common drawing formats such as DWG and DXF. This feature is provided by the eDrawings viewer from SolidWorks. This is an optional component when installing Schedule Plus 5, meaning that this functionality will not be available if the viewer is not installed.

#### Other Fixes

- SP-63 – Crash when user tries to load the projects from C-Gate and no IP address has been entered
- SP-128 – Content of HTML component not visible in operation mode
- SP-3113 – Public holiday templates updated to cover 2015-2020
- SP-3362 – Name field covering buttons in Add Irrigation Program window

- SP-3363 – Irrigation schedule not appearing when created
- SP-3364 – Add irrigation schedule wizard opening on wrong step
- SP-3407 – Memory leaks
- SP-3414 – Network status percentage displayed incorrectly when networks are offline
- SP-3443 – Added support for the C-Gate SESSION\_ID TAG command
- SP-3565 – Error when entering access control pin after restoring project
- SP-3573 – Issue with appearance of version number on splash screen
- SP-3578 – General memory leaks
- SP-3579 – Web client memory leaks
- SP-3582 – Access violation with graph component
- SP-3585 – Use native OS look and feel
- SP-3589 – Select normal dongle over installer licence
- SP-3593 – Access violation when using web camera component
- SP-3594 – Memory leaks in web server
- SP-3606 – Licence check period not accurate
- SP-3625 – Maps Used field displays incorrect information in DALI window
- SP-3628 – Field layout in DALI tab of Project Details window adjusted for clarity
- SP-3630 – Increased DALI mapping limit from 512 to 1024
- SP-3631 – DALI UDP port opened exclusively
- SP-3678 – Toolkit project file prefixed with “CBus-“ when archiving
- SP-3780 – Access violation when opening an archive
- SP-3781 – Access violation related to profiles when loading a project