

# SmartSnippets Studio Release Notes for version 2.0.16

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## 1.0 Introduction

### 1.1 Scope

This document describes the release of SmartSnippets Studio environment from Dialog Semiconductor.

### 1.2 Terms and abbreviations

BLE Bluetooth Low Energy

CDT Eclipse's C/C++ Development Tooling

FW Firmware

GDB GNU Debugger

SDK Software Development Kit

URL Uniform Resource Locator

### 1.3 Release Data

|                           |                      |
|---------------------------|----------------------|
| PROJECT                   | SmartSnippets Studio |
| RELEASE DATE              | 24 Dec 2020          |
| VERSION NR.               | 2.0.16               |
| RELEASE TYPE <sup>1</sup> | FULL (GA)            |
| RELEASE MASTER            | Evaggelinos Mariatos |

### 1.4 License

Licenses covering this SmartSnippets Studio release are displayed as part of the installation process.

### 1.5 History

| VERSION | RELEASE MASTER       | DATE            |
|---------|----------------------|-----------------|
| 2.0.16  | Evaggelinos Mariatos | 24 Dec 2020     |
| 2.0.14  | Evaggelinos Mariatos | 29 May 2020     |
| 2.0.12  | Evaggelinos Mariatos | 28 Feb 2020     |
| 2.0.10  | Gerard Wolters       | 2 Oct 2019      |
| 2.0.9   | Gerard Wolters       | 21 Jun 2019     |
| 2.0.8   | Gerard Wolters       | 3 Apr 2019      |
| 2.0.7   | Gerard Wolters       | 8 February 2019 |
| 2.0.6   | Gerard Wolters       | 7 Nov 2018      |
| 2.0.5   | Gerard Wolters       | 18 May 2018     |
| 2.0.3   | Gerard Wolters       | 02 Feb 2018     |
| 1.6     | Gerard Wolters       | 23 Jun 2017     |
| 1.5     | Gerard Wolters       | 24 Mar 2017     |
| 1.4     | Gerard Wolters       | 22 Dec 2016     |
| 1.3     | Gerard Wolters       | 18 Nov 2016     |
| 1.2     | Gerard Wolters       | 27 Jul 2016     |
| 1.1     | Gerard Wolters       | 08 Apr 2016     |
| 1.0     | Gerard Wolters       | 24 Nov 2015     |

<sup>1</sup> Releases can be of the following types: FULL (GA), FULL (LA), RELEASE CANDIDATE, ENGINEERING, PATCH or BINARY

## 2.0 Release Description

### 2.1 Major Changes

| #   | DESCRIPTION  |
|---|--|
| <b>OVERVIEW</b>   |  |
| <p>This release includes:</p> <ul style="list-style-type: none"> <li>- Installer v2.0.16</li> <li>- Welcome page v2.0.16</li> <li>- Eclipse CDT and plugins v3.0.16</li> <li>- Toolbox v5.0.16</li> </ul> <p>It supports the following SDKs:</p> <ul style="list-style-type: none"> <li>- SDK5: version 5.0.4 or newer</li> <li>- SDK6: all versions</li> <li>- SDK1: version 1.0.6 or newer</li> <li>- SDK10: all versions</li> </ul> <p>Note: for detailed release notes related to Toolbox, see Toolbox release notes.</p> |  |
| <b>NEW FEATURES</b>   |  |
|   |  |
| <b>FIXES / IMPROVEMENTS</b>   |  |
| c8fe688/01  | Improves visualization of validations happening in SDK tools Installer |
| cs417/01  | Fixes issue with missing patch.exe in msys2 software distribution      |
| <b>Documentation</b>  |  |
| UM-B-057  | SmartSnippets Studio User Manual                                       |

### 2.2 Issues or Limitations

| #      | OPEN ISSUES & LIMITATIONS   |
|--------|---|
| 101/04 | Project errors may happen while indexer is still running  |
| 101/05 | On some installations, debugger does not work in silent mode  |
| 101/06 | Known issues with Eclipse using the GTK3 library, especially with the KDE desktop environment   |
| 103/01 | Battery Profiler for DA1468x fails with error "Could not load file..." unless the user has got licenses and has installed required National Instruments libraries   |
| 105/01 | C/C++ indexer requires a lot of time. When trying to open a source file that has never been opened before, it takes some time.  |
| 106/01 | Latest versions of Ozone are not compatible with default GCC version bundled in CentOS 7. Please see troubleshooting section of user manual for proposed workaround   |
| 214/01 | Recommended Segger Ozone and SystemView versions for SDK6 and SDK10 do not run correctly on Ubuntu 20.0.4 because they require system library libQtGui.so.4 which is no longer support with this Ubuntu version. Recommended workaround is to manually install latest version of Segger Ozone and SystemView which have this library bundled with their installers. |

### 2.3 MAJOR Release Files

| # | File Name  | Description   |
|---|--|---------------|
| 1 | SmartSnippets_Studio_v2.0.16_windows.msi         | RELEASE FILE  |
| 2 | SmartSnippets_Studio-linux.gtk.x86_64-2.0.16.run | RELEASE FILE  |
| 3 | SmartSnippets_Studio_v2.0.16.dmg                 | RELEASE FILE  |
| 4 | SmartSnippets_Studio_Release_Notes_2.0.16.doc    | RELEASE NOTES |

## 3.0 Release History

### 3.1 Version 2.0.14

| #  | DESCRIPTION   |
|--|---|
| <b>OVERVIEW</b>  |   |
| <p>This release:</p> <ul style="list-style-type: none"> <li>- Upgrades the Studio environment to latest stable versions of tools and libraries</li> <li>- Officially supports 64-bit windows (no longer supports 32-bit windows)</li> <li>- Supports new DA14530 chip</li> </ul> <p>It includes:</p> <ul style="list-style-type: none"> <li>- Installer v2.0.14</li> <li>- Welcome page v2.0.14</li> <li>- Eclipse CDT and plugins v3.0.14</li> <li>- Toolbox v5.0.14</li> </ul> <p>It supports the following SDKs:</p> <ul style="list-style-type: none"> <li>- SDK5: version 5.0.4 or newer</li> <li>- SDK6: all versions</li> <li>- SDK1: version 1.0.6 or newer</li> <li>- SDK10: all versions</li> </ul> <p>Note: for detailed release notes related to Toolbox, see Toolbox release notes.</p> |   |
| <b>NEW FEATURES</b>  |   |
| 214_01   | Upgrades Eclipse environment to version 2010-09 (4.13)  |
| 214_02   | Upgrades CDT to version 9.9   |
| 214_03   | Upgrades Java to OpenJDK version 13.0.1   |
| 214_04   | Upgrades to MSYS2   |
| 214_05   | Upgrades PyDev plugin to version 7.4.0  |
| 214_06   | Upgrades other tools and libraries to be compatible with upgrades mentioned above   |
| 214_07   | Enables parallel building to improve compilation performance  |
| 214_08   | Studio welcome page now supports multiple API Documentation links for each family   |
| 214_09   | Supports new DA14530 chip   |
| 214_10   | Makes "Haptic Waveform Editor" tool available for DA1469x chips   |
| <b>FIXES / IMPROVEMENTS</b>  |   |
| 1496/01  | Fixes error occurring when there are square brackets in the workspace path  |
| 1497/01  | SDK Install Wizard size has been expanded to fit in more components   |
| 1540/01  | Improves how the SDK Install wizard installs JLINK SEGGER in Linux  |
| 1540/02  | Improves the SDK Finder progress indications  |
| 1474/01  | Fixes issue with Debug Configuration filtering not applying the correct logic when user open CDT without opening the welcome page first |
| 1614/01  | Better handles very long paths  |
| 1675/01  | Changes default value of preference "Build configuration for the indexer" to "Use active build configuration"                           |
| 1727/01  | For use of internal browser on Linux systems, updates the validation logic checking for required web content engine libraries           |
| 1727/02  | Avoids SSLHandshake exceptions with recent Segger Ozone and SystemView download links   |
| 1745/01  | Linux installer now bundles net-tools   |
| <b>OPEN ISSUES &amp; LIMITATIONS</b>   |   |
| 101/04   | Project errors may happen while indexer is still running  |

|        |   |
|--------|---|
| 101/05 | On some installations, debugger does not work in silent mode  |
| 101/06 | Known issues with Eclipse using the GTK3 library, especially with the KDE desktop environment   |
| 103/01 | Battery Profiler for DA1468x fails with error "Could not load file..." unless the user has got licenses and has installed required National Instruments libraries   |
| 105/01 | C/C++ indexer requires a lot of time. When trying to open a source file that has never been opened before, it takes some time.  |
| 106/01 | Latest versions of Ozone are not compatible with default GCC version bundled in CentOS 7. Please see troubleshooting section of user manual for proposed workaround   |
| 214/01 | Recommended Segger Ozone and SystemView versions for SDK6 and SDK10 do not run correctly on Ubuntu 20.0.4 because they require system library libQtGui.so.4 which is no longer support with this Ubuntu version. Recommended workaround is to manually install latest version of Segger Ozone and SystemView which have this library bundled with their installers. |

### 3.2 Version 2.0.12

| #   | DESCRIPTION   |
|---|---|
| <b>OVERVIEW</b>   |   |
| <p>This release:</p> <ul style="list-style-type: none"> <li>- Supports DA14531 USB Development kit</li> </ul> <p>It includes:</p> <ul style="list-style-type: none"> <li>- Installer v2.0.12</li> <li>- Welcome page v2.0.12</li> <li>- Eclipse CDT and plugins v3.0.12</li> <li>- Toolbox v5.0.12</li> </ul> <p>It supports the following SDKs:</p> <ul style="list-style-type: none"> <li>- SDK5: version 5.0.4 or newer</li> <li>- SDK6: all versions</li> <li>- SDK1: version 1.0.6 or newer</li> <li>- SDK10: all versions</li> </ul> <p>Note: for detailed release notes related to Toolbox, see Toolbox release notes.</p> |   |
| <b>NEW FEATURES</b>   |   |
| 212_01  | Supports DA14531 USB Development kit  |
| <b>FIXES / IMPROVEMENTS</b>   |   |
| <b>OPEN ISSUES &amp; LIMITATIONS</b>  |   |
| 101/04  | Project errors may happen while indexer is still running  |
| 101/05  | On some installations, debugger doesn't work in silent mode   |
| 101/06  | Known issues with Eclipse using the GTK3 library, especially with the KDE desktop environment   |
| 103/01  | Battery Profiler for DA1468x fails with error "Could not load file..." unless the user has got licenses and has installed required National Instruments libraries   |
| 105/01  | C/C++ indexer requires a lot of time. When trying to open a source file that has never been opened before, it takes some time.                                      |
| 106/01  | Latest versions of Ozone are not compatible with default GCC version bundled in CentOS 7. Please see troubleshooting section of user manual for proposed workaround |

### 3.3 Version 2.0.10

| #   | DESCRIPTION   |
|---|---|
| <b>OVERVIEW</b>   |   |
| <p>This release:</p> <ul style="list-style-type: none"> <li>- Adds new SDK Finder tool that launches at Studio startup</li> <li>- Supports new motherboard for DA1458x / DA1453x chips and new SDK6 and SDK10 versions</li> </ul> <p>It includes:</p> <ul style="list-style-type: none"> <li>- Installer v2.0.10</li> <li>- Welcome page v2.0.10</li> <li>- Eclipse CDT and plugins v3.0.10</li> <li>- Toolbox v5.0.10</li> </ul> <p>It supports the following SDKs:</p> <ul style="list-style-type: none"> <li>- SDK5: version 5.0.4 or newer</li> <li>- SDK6: all versions</li> <li>- SDK1: version 1.0.6 or newer</li> <li>- SDK10: all versions</li> </ul> <p>Note: for detailed release notes related to Toolbox, see Toolbox release notes.</p> |   |
| <b>NEW FEATURES</b>   |   |
| 210_01  | Adds new SDK Finder tool that launches at Studio startup  |
| 210_02  | Supports new motherboard for DA1458x / DA1453x chips and new SDK6 and SDK10 versions  |
| <b>FIXES / IMPROVEMENTS</b>   |   |
| 1418/01   | Fixes an issue resulting in Studio not remembering SEGGER JLink installation path   |
| 1420/01   | Improves SDK Installer tool messages when user decides to not install a tool  |
| 1417/01   | Enables SKD Inspector open the selected workspace & project in IDE  |
| 1417/02   | SKD Inspector now supports IAR projects   |
| 1416/01   | Studio now remembers latest user perspective / layout and restores it upon launching Studio   |
| 1431/01   | Fixes an issue with SDK Install Tool showing wrong "Skip" button  |
| 1431/02   | SDK Install Tool now uses an improved layout logic to better display all components   |
| <b>OPEN ISSUES &amp; LIMITATIONS</b>  |   |
| 101/04  | Project errors may happen while indexer is still running  |
| 101/05  | On some installations, debugger doesn't work in silent mode   |
| 101/06  | Known issues with Eclipse using the GTK3 library, especially with the KDE desktop environment   |
| 103/01  | Battery Profiler for DA1468x fails with error "Could not load file..." unless the user has got licenses and has installed required National Instruments libraries   |
| 105/01  | C/C++ indexer requires a lot of time. When trying to open a source file that has never been opened before, it takes some time.                                      |
| 106/01  | Latest versions of Ozone are not compatible with default GCC version bundled in CentOS 7. Please see troubleshooting section of user manual for proposed workaround |

### 3.4 Version 2.0.9

| #   | DESCRIPTION   |
|---|---|
| <b>OVERVIEW</b>   |   |
| <p>This release:</p> <ul style="list-style-type: none"> <li>- Integrates with recent SDK6 versions</li> </ul> <p>It includes:</p> <ul style="list-style-type: none"> <li>- Installer v2.0.9</li> <li>- Welcome page v2.0.9</li> <li>- Eclipse CDT and plugins v3.0.9</li> <li>- Toolbox v5.0.9</li> </ul> <p>It supports the following SDKs:</p> <ul style="list-style-type: none"> <li>- SDK5: version 5.0.4 or newer</li> <li>- SDK6: all versions</li> <li>- SDK1: version 1.0.6 or newer</li> <li>- SDK10: all versions</li> </ul> <p>Note: for detailed release notes related to Toolbox, see Toolbox release notes.</p> |   |
| <b>NEW FEATURES</b>   |   |
| 209_01  | Supports CDT launch configurations included in SDK6   |
| <b>FIXES / IMPROVEMENTS</b>   |   |
| 1388/01   | Fixes some issues with Doxygen in Linux environments  |
| <b>OPEN ISSUES &amp; LIMITATIONS</b>  |   |
| 101/04  | Project errors may happen while indexer is still running  |
| 101/05  | On some installations, debugger doesn't work in silent mode   |
| 101/06  | Known issues with Eclipse using the GTK3 library, especially with the KDE desktop environment   |
| 103/01  | Battery Profiler for DA1468x fails with error "Could not load file..." unless the user has got licenses and has installed required National Instruments libraries   |
| 105/01  | C/C++ indexer requires a lot of time. When trying to open a source file that has never been opened before, it takes some time.                                      |
| 106/01  | Latest versions of Ozone are not compatible with default GCC version bundled in CentOS 7. Please see troubleshooting section of user manual for proposed workaround |

### 3.5 Version 2.0.8

| #   | DESCRIPTION   |
|---|---|
| <b>OVERVIEW</b>   |   |
| <p>This release:</p> <ul style="list-style-type: none"> <li>- Improves the 'SDK Inspector' tool</li> </ul> <p>It includes:</p> <ul style="list-style-type: none"> <li>- Installer v2.0.8</li> <li>- Welcome page v2.0.8</li> <li>- Eclipse CDT and plugins v3.0.8</li> <li>- Toolbox v5.0.8</li> </ul> <p>Note: for detailed release notes related to Toolbox, see Toolbox release notes.</p> |   |
| <b>NEW FEATURES</b>   |   |
| 208_01  | Supports configuration of script filtering patterns   |
| <b>FIXES / IMPROVEMENTS</b>   |   |
| 1354/01   | Improves the 'SDK Inspector' tool   |
| 1371/01   | Relaxes configuration file schema validation to allow future unknown nodes  |
| 1378/01   | Fixes an issue causing family names not displaying as expected  |
| <b>OPEN ISSUES &amp; LIMITATIONS</b>  |   |
| 101/04  | Project errors may happen while indexer is still running  |
| 101/05  | On some installations, debugger doesn't work in silent mode   |
| 101/06  | Known issues with Eclipse using the GTK3 library, especially with the KDE desktop environment   |
| 103/01  | Battery Profiler for DA1468x fails with error "Could not load file..." unless the user has got licenses and has installed required National Instruments libraries   |
| 105/01  | C/C++ indexer requires a lot of time. When trying to open a source file that has never been opened before, it takes some time.                                      |
| 106/01  | Latest versions of Ozone are not compatible with default GCC version bundled in CentOS 7. Please see troubleshooting section of user manual for proposed workaround |

### 3.6 Version 2.0.7

| #  | DESCRIPTION   |
|--|---|
| <b>OVERVIEW</b>  |   |
| <p>This release:</p> <ul style="list-style-type: none"> <li>- Supports chip family DA1453x</li> <li>- Adds the 'SDK Inspector' tool</li> <li>- Supports short URLs</li> </ul> <p>It includes:</p> <ul style="list-style-type: none"> <li>- Installer v2.0.7</li> <li>- Welcome page v2.0.7</li> <li>- Eclipse CDT and plugins v3.0.7</li> <li>- Toolbox v5.0.7</li> </ul> <p>Note: for detailed release notes related to Toolbox, see Toolbox release notes.</p> |   |
| <b>NEW FEATURES</b>  |   |
| 207_01   | Adds the 'SDK Inspector' tool   |
| 207_02   | Supports chip family DA1453x  |
| 207_03   | SDK Tool Installer supports short URLs  |
| <b>FIXES / IMPROVEMENTS</b>  |   |
| 1300/01  | Provides MD5 hash codes so that installation files can be verified that they have been downloaded correctly   |
| 1318/02  | Improves directions given to users when SEGGER JLink is not installed and installer is not bundled  |
| 1329/03  | Improves the filtering logic of Studio launchers for DA1469x family   |
| 1330/04  | Better handles URLs with missing 'http://' prefix   |
| 1331/05  | Modified text of Studio 'Select workspace' dialog to make it clearer for end users  |
| <b>OPEN ISSUES &amp; LIMITATIONS</b>   |   |
| 101/04   | Project errors may happen while indexer is still running  |
| 101/05   | On some installations, debugger doesn't work in silent mode   |
| 101/06   | Known issues with Eclipse using the GTK3 library, especially with the KDE desktop environment   |
| 103/01   | Battery Profiler for DA1468x fails with error "Could not load file..." unless the user has got licenses and has installed required National Instruments libraries   |
| 105/01   | C/C++ indexer requires a lot of time. When trying to open a source file that has never been opened before, it takes some time.                                      |
| 106/01   | Latest versions of Ozone are not compatible with default GCC version bundled in CentOS 7. Please see troubleshooting section of user manual for proposed workaround |

### 3.7 Version 2.0.6

| #   | DESCRIPTION  |
|---|--|
| <b>OVERVIEW</b>   |  |
| <p>This release:</p> <ul style="list-style-type: none"> <li>- Is compliant with SDKs supporting more than one chip families</li> </ul> <p>It includes:</p> <ul style="list-style-type: none"> <li>- Installer v2.0.6</li> <li>- Welcome page v2.0.6</li> <li>- Eclipse CDT and plugins v3.0.6</li> <li>- Toolbox v5.0.6</li> </ul> <p>Note: for detailed release notes related to Toolbox, see Toolbox release notes.</p> |  |
| <b>NEW FEATURES</b>   |  |
| 206_01  | Is compliant with SDKs supporting more than one chip families  |
| 206_02  | Bundles the CMSIS Packs manager  |
| 206_03  | Preconfigures spell checker for RestEditor plugin  |
| 206_04  | No GCC ARM Toolchain bundled with the installer anymore. Once workspace is connected to an SDK, 'SDK Install Tool' guides users on how to install the appropriate toolchain for the selected SDK (if applicable) |
| <b>FIXES / IMPROVEMENTS</b>   |  |
| 1088/01   | Fixes issue with installer failing when .NET Framework 4.5 is present  |
| 1149/02   | Corrects some documentation issues with references not working or pointing to wrong place  |
| 1154/03   | Makes sure that User Access Control dialogs take focus when installing in Windows 10   |
| 1171/04   | Fixes permissions when installing toolchain on Linux or macOS system folder  |
| 1175/05   | Improves SDK Install Tool's process steps for skippable tools  |
| 1176/06   | Welcome page better handles missing Product Documentation links  |
| 1246/08   | Welcome page better notifies users about unsuccessful connectivity to an SDK   |
| 205/01  | Welcome page remembers user's choices regarding skipped tools  |
| <b>OPEN ISSUES &amp; LIMITATIONS</b>  |  |
| 101/04  | Project errors may happen while indexer is still running   |
| 101/05  | On some installations, debugger doesn't work in silent mode  |
| 101/06  | Known issues with Eclipse using the GTK3 library, especially with the KDE desktop environment  |
| 103/01  | Battery Profiler for DA1468x fails with error "Could not load file..." unless the user has got licenses and has installed required National Instruments libraries  |
| 105/01  | C/C++ indexer requires a lot of time. When trying to open a source file that has never been opened before, it takes some time.   |
| 106/01  | Latest versions of Ozone are not compatible with default GCC version bundled in CentOS 7. Please see troubleshooting section of user manual for proposed workaround  |

### 3.8 Version 2.0.5

| #   | DESCRIPTION   |
|---|---|
| <b>OVERVIEW</b>   |   |
| <p>This release:</p> <ul style="list-style-type: none"> <li>- Supports DA1469x SDK 10</li> <li>- Supports DA14585/6 SDK 6.0.8</li> </ul> <p>It includes:</p> <ul style="list-style-type: none"> <li>- Installer v2.0.5</li> <li>- Welcome page v2.0.5</li> <li>- Eclipse CDT and plugins v3.0.5</li> <li>- Toolbox v5.0.5</li> </ul> <p>Note: for detailed release notes related to Toolbox, see Toolbox release notes.</p> |   |
| <b>NEW FEATURES</b>   |   |
| 205_01  | Supports DA1469x SDK 10   |
| 205_02  | Supports DA14585/6 SDK 6.0  |
| 205_03  | Welcome page SDK Install wizard offers skipping the installation of 'optional' tools  |
| <b>FIXES / IMPROVEMENTS</b>   |   |
| 1088/01   | Fixes issue with 'Build' icon disappearing after starting Studio multiple times at the same SDK workspace   |
| 1074/02   | Fixes issue with access to documents while running the installer on Ubuntu as root  |
| 1083/03   | Follows the same standard versioning logic as the SDKs  |
| 1093/04   | Fixes an issue with Welcome page SDK Install wizard failing to find an already-installed toolchain  |
| <b>OPEN ISSUES &amp; LIMITATIONS</b>  |   |
| 101/04  | Project errors may happen while indexer is still running  |
| 101/05  | On some installations, debugger doesn't work in silent mode   |
| 101/06  | Known issues with Eclipse using the GTK3 library, especially with the KDE desktop environment   |
| 105/01  | C/C++ indexer requires a lot of time. When trying to open a source file that has never been opened before, it takes some time.                                      |
| 106/01  | Latest versions of Ozone are not compatible with default GCC version bundled in CentOS 7. Please see troubleshooting section of user manual for proposed workaround |
| 205/01  | Welcome page doesn't take into account user's choices regarding skipped tools   |

### 3.9 Version 2.0.3

| #   | DESCRIPTION   |
|---|---|
| <b>OVERVIEW</b>   |   |
| <p>This release:</p> <ul style="list-style-type: none"> <li>- Supports SDK 10 for DA1469x family</li> <li>- Better integrates with SDKs in terms of configuration and functionality</li> </ul> <p>It includes:</p> <ul style="list-style-type: none"> <li>- Installer v2.0.3</li> <li>- Welcome page v2.0.3</li> <li>- Eclipse CDT and plugins v3.0.3</li> <li>- Toolbox v5.0.3</li> </ul> <p>Note: for detailed release notes related to Toolbox, see Toolbox release notes.</p> |   |
| <b>NEW FEATURES</b>   |   |
| 203_01  | Supports SDK 10.0.1 for DA1469x family  |
| 203_02  | Upgrades Eclipse version to Neon  |
| 203_03  | Upgrades CDT version to 9.x   |
| 203_04  | Upgrades GNU plugin to gnumcueclipse  |
| 203_05  | Bundles TKinter GUI package for Python 3.5  |
| 203_06  | Allows more than one Studio versions being installed on the same system   |
| 203_07  | Welcome page can launch user-specified executables  |
| 203_08  | Upgrades jre to 1.8.0_144   |
| <b>FIXES / IMPROVEMENTS</b>   |   |
| 1012/01   | Reduces the size of the installers  |
| 1017/02   | Allows importing software resources for DA145865/6  |
| 1017/03   | Dialog code formatter is now applied only on an empty workspace, which means that users can later override the default code formatter                               |
| 1029/04   | Displays doxygen in IDE view  |
| 1029/05   | Shows the EmbSys register view in the Debug perspective instead of the C/C++ one  |
| <b>OPEN ISSUES &amp; LIMITATIONS</b>  |   |
| 101/04  | Project errors may happen while indexer is still running  |
| 101/05  | On some installations, debugger doesn't work in silent mode   |
| 101/06  | Known issues with Eclipse using the GTK3 library, especially with the KDE desktop environment   |
| 105/01  | C/C++ indexer requires a lot of time. When trying to open a source file that has never been opened before, it takes some time.                                      |
| 106/01  | Latest versions of Ozone are not compatible with default GCC version bundled in CentOS 7. Please see troubleshooting section of user manual for proposed workaround |

### 3.10 Version 1.6

| #   | Major Changes from last Release   |
|---|---|
| <b>OVERVIEW</b>   |   |
| This release: <ul style="list-style-type: none"> <li>- Supports DA14585 SDK 6.0.4</li> <li>- Supports DA1468x SDK 1.0.10</li> <li>- Implements various Toolbox enhancements</li> </ul> It includes: <ul style="list-style-type: none"> <li>- Installer v1.6</li> <li>- Welcome page v1.6</li> <li>- Eclipse CDT and plugins v2.6</li> <li>- Toolbox v4.8</li> </ul> Note: for detailed release notes related to Toolbox, see Toolbox release notes. |   |
| <b>NEW FEATURES</b>   |   |
| 106_01  | Supports DA14585 SDK 6.0.4  |
| 106_02  | Supports DA1468x SDK 1.0.10   |
| 106_03  | Includes Toolbox v4.8 which implements important enhancements. Please check Toolbox release notes for details   |
| 106_04  | Support headless installation on linux_x86_64 distributions   |
| <b>FIXES / IMPROVEMENTS</b>   |   |
| 872/01  | Improves Build Configurations filtering logic   |
| 872/02  | Improves performance on welcome page loading and project selection  |
| 872/03  | Improves chip detection performance   |
| 872/04  | Improves the process followed when a download link is no longer available   |
| 872/05  | Hides EmbSysReg files for chips not supported by the connected SDK  |
| 889/06  | Improves logic identifying whether loaded SDK is the latest one   |
| <b>OPEN ISSUES &amp; LIMITATIONS</b>  |   |
| 101/04  | Project errors may happen while indexer is still running  |
| 101/05  | On some installations, debugger doesn't work in silent mode   |
| 101/06  | Known issues with Eclipse using the GTK3 library, especially with the KDE desktop environment   |
| 105/01  | C/C++ indexer requires a lot of time. When trying to open a source file that has never been opened before, it takes some time.                                      |
| 106/1   | Latest versions of Ozone are not compatible with default GCC version bundled in CentOS 7. Please see troubleshooting section of user manual for proposed workaround |

### 3.11 Version 1.5

| #  | Major Changes from last Release  |
|--|--|
| <b>OVERVIEW</b>  |  |
| <p>This release:</p> <ul style="list-style-type: none"> <li>- Adds support for device DA14585/6</li> <li>- Adds support for device DA14682/3</li> </ul> <p>It includes:</p> <ul style="list-style-type: none"> <li>- Installer v1.5</li> <li>- Welcome page v1.5</li> <li>- Eclipse CDT and plugins v2.5</li> <li>- Toolbox v4.7</li> </ul> <p>Note: for detailed release notes related to Toolbox, see Toolbox release notes.</p> |  |
| <b>NEW FEATURES</b>  |  |
| 105_01   | Adds support for device DA14585/6  |
| 105_02   | Adds support for device DA14682/3  |
| 105_03   | Installs ReST Editor plugin  |
| 105_04   | Filters build configurations depending on selected device  |
| <b>FIXES / IMPROVEMENTS</b>  |  |
| 0815/01  | Supports a simplified format for the SDK configuration files   |
| 0815/02  | Bundles jre version 1.8.0.111  |
| 0815/03  | Supports multiple IDE buttons on welcome page  |
| <b>OPEN ISSUES &amp; LIMITATIONS</b>   |  |
| 101/04   | Project errors may happen while indexer is still running   |
| 101/05   | On some installations, debugger doesn't work in silent mode  |
| 101/06   | Known issues with Eclipse using the GTK3 library, especially with the KDE desktop environment                                  |
| 105/01   | C/C++ indexer requires a lot of time. When trying to open a source file that has never been opened before, it takes some time. |

### 3.12 Version 1.4

| #  | Major Changes from last Release   |
|--|---|
| <b>OVERVIEW</b>  |   |
| This release: <ul style="list-style-type: none"> <li>- Adds Python 3.5</li> <li>- Adds new RF Master application</li> </ul> It includes: <ul style="list-style-type: none"> <li>- Installer v1.4</li> <li>- Welcome page v1.4</li> <li>- Eclipse CDT and plugins v2.4</li> <li>- Toolbox v4.6</li> </ul> Note: for detailed release notes related to Toolbox, see Toolbox release notes. |   |
| <b>NEW AND UPDATED FEATURES</b>  |   |
| 104_01   | Bundles and installs Python 3.5 for all platforms   |
| 104_02   | Pre-configures PyDev plugin to use the bundled Python version                                 |
| 104_03   | Supports new RF Master application  |
| <b>FIXES / IMPROVEMENTS</b>  |   |
| 0774/01  | Some aesthetic improvements in welcome page   |
| 0774/02  | Uses the correct PyDev plugin version to be compatible with the environment                   |
| <b>OPEN ISSUES &amp; LIMITATIONS</b>   |   |
| 101/04   | Project errors may happen while indexer is still running                                      |
| 101/05   | On some installations, debugger doesn't work in silent mode                                   |
| 101/06   | Known issues with Eclipse using the GTK3 library, especially with the KDE desktop environment |

### 3.13 Version 1.3

| #  | Major Changes from last Release  |
|--|--|
| <b>OVERVIEW</b>  |  |
| This release: <ul style="list-style-type: none"> <li>- Adds support for Mac OS X</li> <li>- Supports DA1468x Reference Designs</li> </ul> It includes: <ul style="list-style-type: none"> <li>- Installer v1.3</li> <li>- Welcome page v1.3</li> <li>- Eclipse CDT and plugins v2.3</li> <li>- Toolbox v4.5</li> </ul> Note: for detailed release notes related to Toolbox, see Toolbox release notes. |  |
| <b>NEW AND UPDATED FEATURES</b>  |  |
| 103_01   | Supports Mac OS X too  |
| 103_02   | Supports DA1468x Reference Designs   |
| 103_03   | Installs Battery Profiler tool for Windows   |
| 103_04   | Displays a fully redesigned welcome page implemented as a perspective                                |
| <b>FIXES / IMPROVEMENTS</b>  |  |
| 130/01   | For DA1458x SDKs, hides menu items and toolbar buttons that are not applicable for this family       |
| 130/02   | Corrects the final message when completing the SDK Tool Installer wizard                             |
| 130/03   | On win32 machines, fixes the default folder where the SDK Tools Installer file browser is looking at |
| 130/04   | Enables RxTx terminal  |
| <b>OPEN ISSUES &amp; LIMITATIONS</b>   |  |
| 101/04   | Project errors may happen while indexer is still running   |
| 101/05   | On some installations, debugger doesn't work in silent mode  |
| 101/06   | Known issues with Eclipse using the GTK3 library, especially with the KDE desktop environment        |

### 3.14 Version 1.2

| #   | Major Changes from last Release  |
|---|--|
| <b>OVERVIEW</b>   |  |
| This release: <ul style="list-style-type: none"> <li>- Merges environment for DA1458x and DA1468x</li> <li>- Supports SDK-specific installation / configuration</li> <li>- Supports SDK-specific launch configurations</li> <li>- Adds SEGGER System Viewer</li> </ul> It includes: <ul style="list-style-type: none"> <li>- Installer v1.2</li> <li>- Welcome page v1.2</li> <li>- Eclipse CDT and plugins v2.2</li> <li>- Toolbox v4.4</li> </ul> Note: for detailed release notes related to Toolbox, see Toolbox release notes. |  |
| <b>NEW AND UPDATED FEATURES</b>   |  |
| 102_01  | Supports DA1458x and DA1468x SDKs under a common unified environment   |
| 102_02  | Allows the user to select one of the supported SDKs, which launches an installation and configuration wizard that helps the user start the appropriate workspace with all subsystems properly installed and configured |
| 102_03  | Supports SDK-specific launch configurations  |
| 102_04  | Adds SEGGER System Viewer  |
| 102_05  | Replaces J-Link 2.14 with Ozone 2.16d  |
| 102_06  | Replaces MinGW32 with MinGW64-targetting32   |
| 102_07  | Uses an updated code formatter   |
| 102_08  | Adds PyDev plugin  |
| 102_09  | Updates default indexer configuration settings to enable code analysis as the user types   |
| 102_10  | Replaces Arm Embedded Toolchain 4.9q1 with 4.9q3   |
| <b>FIXES / IMPROVEMENTS</b>   |  |
| 120/01  | Installs under a new location and subfolder structure  |
| 120/02  | Asks whether to start SmartSnippets Studio after installation  |
| 120/03  | Uninstaller deletes SmartSnippets Studio and allows the user select which GCC toolchain versions should be uninstalled too   |
| 120/04  | Updated splash screen  |
| 120/05  | Updated URLs   |
| 120/06  | Restores External tool config files after filtering them   |
| 120/07  | Adjusted for App Logger v1.0 (will be available in future release)   |
| 120/08  | Adjusted for App Creator v1.0 (will be available in future release)  |
| <b>OPEN ISSUES &amp; LIMITATIONS</b>  |  |
| 101/04  | Project errors may happen while indexer is still running   |
| 101/05  | On some installations, debugger doesn't work in silent mode  |
| 101/06  | Known issues with Eclipse using the GTK3 library, especially with the KDE desktop environment  |

### 3.15 Version 1.1

| #   | Major Changes from last Release   |
|---|---|
| <b>OVERVIEW</b>   |   |
| This release: <ul style="list-style-type: none"> <li>- Improves installation process</li> <li>- Supports 'global' launch configurations</li> </ul> It includes: <ul style="list-style-type: none"> <li>- Installer v1.1</li> <li>- Welcome page v1.1</li> <li>- Eclipse CDT and plugins v2.1</li> <li>- Toolbox v4.2</li> </ul> Note: for detailed release notes related to Toolbox, see Toolbox release notes. |   |
| <b>NEW AND UPDATED FEATURES</b>   |   |
| 101_01  | Helps user easily install 3rd-party software such as JLink GDB server, Segger debugger and FTDI drivers   |
| 101_02  | Makes the 3 basic launch configurations (RAM, QSPI and attached) available for all projects, i.e. treats them as 'global' launch configurations                 |
| 110_03  | Adds button that opens Doxygen documentation  |
| 110_04  | Makes Dialog formatter the default formatter  |
| <b>FIXES / IMPROVEMENTS</b>   |   |
| 101/01  | Enables opening the SmartSnippets Toolbox as a standalone application without need to open it through the welcome page the first time                           |
| 101/02  | Installer now proposes downloading JLink GDB server v5.12   |
| 101/03  | To avoid showing 'Problems' while loading or changing a project, disables Window > Preferences > C/C++ > Code Analysis > 'Syntax and Semantics Errors' options. |
| <b>OPEN ISSUES &amp; LIMITATIONS</b>  |   |
| 101/04  | Project errors may happen while indexer is still running  |
| 101/05  | On some installations, debugger doesn't work in silent mode   |
| 101/06  | Known issues with Eclipse using the GTK3 library, especially with the KDE desktop environment   |

### 3.16 Version 1.0

#### OVERVIEW

This release introduces an Eclipse-based development environment for DA1468x

It includes:

- Installer v1.0
- Welcome page v1.0
- Eclipse CDT and plugins v2.0
- Toolbox v4.0

Note: for detailed release notes related to Toolbox, see Toolbox release notes.

#### NEW FEATURES

|        |   |
|--------|---|
| 100_01 | Installer v1.0  |
| 100_02 | Welcome page v1.0   |
| 100_03 | CDT button in welcome page                                  |
| 100_04 | Toolbox button in welcome page                              |
| 100_05 | Links to Documentation and Online Resources in welcome page |
| 100_06 | SDK Tool Installer  |
| 100_07 | Eclipse CDT and plugins v2.0                                |
| 100_08 | GNU ARM C/C++ plugin  |
| 100_09 | Doxygen plugin  |
| 100_10 | RXTX plugin   |
| 100_11 | Dialog SmartBond Project Templates plugin                   |
| 100_12 | Toolbox v4.0  |

## Appendix I: Versioning Rules

Each software version number string consists of 4 numbers. MAJOR.BRANCH.MINOR.BUILD

Versioning rules:

**#MAJOR:** It is increased by 1 only if the project undergoes a major modification, e.g. major ROM changes. It practically changes only when the project sources undergo major restructuring affecting most of the repository. It is initialized at 1.

**#BRANCH:** Should be used in the case of concurrent projects that for special reasons need to be spun off the major repository. It corresponds to different versions of the repository code that have to be supported concurrently. In this case each branch number corresponds to a different GIT branch. The basic project has BRANCH ID 0.

**#MINOR:** Odd numbers indicate Engineering (or Patch or Binary) versions, even numbers indicate Full release versions or Release Candidates of Full versions. Each Full release increases this number by one. After the Full release, the number is increased by 1 again. Therefore, Project releases correspond to release numbers like 2.0.1.xxxx, 2.0.2.xxxx etc. The #MINOR number is initialized at 1.

**#BUILD:** The # BUILD number increases by 1 at every repository update and thus indicates the total number of changes since repository initialization. The BUILD number is initialized at 1.

**Note:** before SmartSnippets Studio 2.0.x, each software version number string consisted of 2 numbers: MAJOR.MINOR. It has been updated to match generic SW versioning rules of Dialog.