

SmartSnippets Studio Release Notes for version 2.0.20

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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	09 Jun 2022
VERSION NR.	2.0.20
RELEASE TYPE ¹	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
2.0.20	Evaggelinos Mariatos	09 Jun 2022
2.0.18	Evaggelinos Mariatos	24 Dec 2021
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

¹ 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
OVERVIEW	
<p>This release includes:</p> <ul style="list-style-type: none"> - Installer v2.0.20. - Welcome page v2.0.20. - Updated Eclipse CDT and plugins v3.0.20. - Remove Toolbox dependency from SmartSnippets Studio. <p>It supports the following SDKs:</p> <ul style="list-style-type: none"> - SDK5: version 5.0.4 or newer - SDK6: all versions - SDK1: version 1.0.6 or newer - SDK10: all versions 	
NEW FEATURES	
1129/01	Remove Toolbox dependency from SmartSnippets Studio product.
1089/01	Update Eclipse base-platform to 2021-12.
1089/02	Update Eclipse CDT 10.5.
1090/01	Preserve CMSIS packs plugin 2.6.1(latest).
1091/01	Update eclox pugin 0.13.0.
1092/01	Update EmbSysRgView plugin 0.2.6.
1093/01	Preserve Hunspell4eclipse plugin 0.8.7 (latest).
1094/01	Update ReST Editor plugin 1.0.6.
1095/01	Preserve RxTx library 2.1.7.4 (latest).
1095/02	Update Terminal plugin 10.5.0.
1096/01	Update GnuMCU plugin to CDT-Embedded 6.1.2.
1097/01	Update PyDev plugin 9.2.0.
1098/01	Preserve Eclipse Color Theme plugin 1.0.0 (latest).
1087/01	Introduce Toolbox-related wizard to satisfy installation of Toolbox external dependency.
1088/01	Migrate welcome page chip detection to a script-based solution (for JTAG interface only).
FIXES / IMPROVEMENTS	
459/02	Fix C/C++ General properties error message issue.
Documentation	
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_v2.0.20_windows.msi	RELEASE FILE
2	SmartSnippets_Studio-linux.v2.0.20.run	RELEASE FILE
4	SmartSnippets_Studio_Release_Notes.doc	RELEASE NOTES

3.0 Release History

3.1 Version 2.0.18

#	DESCRIPTION
OVERVIEW	
<p>This release includes:</p> <ul style="list-style-type: none"> - Installer v2.0.18 - Welcome page v2.0.18 - Eclipse CDT and plugins v3.0.18 - Toolbox v5.0.18 <p>It supports the following SDKs:</p> <ul style="list-style-type: none"> - SDK5: version 5.0.4 or newer - SDK6: all versions - SDK1: version 1.0.6 or newer - SDK10: all versions <p>Note: for detailed release notes related to Toolbox, see Toolbox release notes.</p>	
NEW FEATURES	
900/01	Remove Linux-bundled mingw cross-compiler.
899/01	Replace 32bit mingw with a multilib version, to support both 32 and 64 bit targets.
958/01	Update Signing certificate for Studio Application.
976/01	Add Support for CMSIS-Pack Eclipse Plug-in.
FIXES / IMPROVEMENTS	
902/01	Update configuration files to accept only 64bit of resources.
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.

3.2 Version 2.0.16

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

3.3 Version 2.0.14

#	DESCRIPTION
OVERVIEW	
<p>This release:</p> <ul style="list-style-type: none"> - Upgrades the Studio environment to latest stable versions of tools and libraries - Officially supports 64-bit windows (no longer supports 32-bit windows) - Supports new DA14530 chip <p>It includes:</p> <ul style="list-style-type: none"> - Installer v2.0.14 - Welcome page v2.0.14 - Eclipse CDT and plugins v3.0.14 - Toolbox v5.0.14 <p>It supports the following SDKs:</p> <ul style="list-style-type: none"> - SDK5: version 5.0.4 or newer - SDK6: all versions - SDK1: version 1.0.6 or newer - SDK10: all versions <p>Note: for detailed release notes related to Toolbox, see Toolbox release notes.</p>	
NEW FEATURES	
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
FIXES / IMPROVEMENTS	
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
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.

3.4 Version 2.0.12

#	DESCRIPTION
OVERVIEW	
<p>This release:</p> <ul style="list-style-type: none"> - Supports DA14531 USB Development kit <p>It includes:</p> <ul style="list-style-type: none"> - Installer v2.0.12 - Welcome page v2.0.12 - Eclipse CDT and plugins v3.0.12 - Toolbox v5.0.12 <p>It supports the following SDKs:</p> <ul style="list-style-type: none"> - SDK5: version 5.0.4 or newer - SDK6: all versions - SDK1: version 1.0.6 or newer - SDK10: all versions <p>Note: for detailed release notes related to Toolbox, see Toolbox release notes.</p>	
NEW FEATURES	
212_01	Supports DA14531 USB Development kit
FIXES / IMPROVEMENTS	
OPEN ISSUES & LIMITATIONS	
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 2.0.10

#	DESCRIPTION
OVERVIEW	
<p>This release:</p> <ul style="list-style-type: none"> - Adds new SDK Finder tool that launches at Studio startup - Supports new motherboard for DA1458x / DA1453x chips and new SDK6 and SDK10 versions <p>It includes:</p> <ul style="list-style-type: none"> - Installer v2.0.10 - Welcome page v2.0.10 - Eclipse CDT and plugins v3.0.10 - Toolbox v5.0.10 <p>It supports the following SDKs:</p> <ul style="list-style-type: none"> - SDK5: version 5.0.4 or newer - SDK6: all versions - SDK1: version 1.0.6 or newer - SDK10: all versions <p>Note: for detailed release notes related to Toolbox, see Toolbox release notes.</p>	
NEW FEATURES	
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
FIXES / IMPROVEMENTS	
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
OPEN ISSUES & LIMITATIONS	
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 2.0.9

#	DESCRIPTION
OVERVIEW	
<p>This release:</p> <ul style="list-style-type: none"> - Integrates with recent SDK6 versions <p>It includes:</p> <ul style="list-style-type: none"> - Installer v2.0.9 - Welcome page v2.0.9 - Eclipse CDT and plugins v3.0.9 - Toolbox v5.0.9 <p>It supports the following SDKs:</p> <ul style="list-style-type: none"> - SDK5: version 5.0.4 or newer - SDK6: all versions - SDK1: version 1.0.6 or newer - SDK10: all versions <p>Note: for detailed release notes related to Toolbox, see Toolbox release notes.</p>	
NEW FEATURES	
209_01	Supports CDT launch configurations included in SDK6
FIXES / IMPROVEMENTS	
1388/01	Fixes some issues with Doxygen in Linux environments
OPEN ISSUES & LIMITATIONS	
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 2.0.8

#	DESCRIPTION
OVERVIEW	
<p>This release:</p> <ul style="list-style-type: none"> - Improves the 'SDK Inspector' tool <p>It includes:</p> <ul style="list-style-type: none"> - Installer v2.0.8 - Welcome page v2.0.8 - Eclipse CDT and plugins v3.0.8 - Toolbox v5.0.8 <p>Note: for detailed release notes related to Toolbox, see Toolbox release notes.</p>	
NEW FEATURES	
208_01	Supports configuration of script filtering patterns
FIXES / IMPROVEMENTS	
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
OPEN ISSUES & LIMITATIONS	
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 2.0.7

#	DESCRIPTION
OVERVIEW	
<p>This release:</p> <ul style="list-style-type: none"> - Supports chip family DA1453x - Adds the 'SDK Inspector' tool - Supports short URLs <p>It includes:</p> <ul style="list-style-type: none"> - Installer v2.0.7 - Welcome page v2.0.7 - Eclipse CDT and plugins v3.0.7 - Toolbox v5.0.7 <p>Note: for detailed release notes related to Toolbox, see Toolbox release notes.</p>	
NEW FEATURES	
207_01	Adds the 'SDK Inspector' tool
207_02	Supports chip family DA1453x
207_03	SDK Tool Installer supports short URLs
FIXES / IMPROVEMENTS	
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
OPEN ISSUES & LIMITATIONS	
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

3.9 Version 2.0.6

#	DESCRIPTION
OVERVIEW	
<p>This release:</p> <ul style="list-style-type: none"> - Is compliant with SDKs supporting more than one chip families <p>It includes:</p> <ul style="list-style-type: none"> - Installer v2.0.6 - Welcome page v2.0.6 - Eclipse CDT and plugins v3.0.6 - Toolbox v5.0.6 <p>Note: for detailed release notes related to Toolbox, see Toolbox release notes.</p>	
NEW FEATURES	
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)
FIXES / IMPROVEMENTS	
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
OPEN ISSUES & LIMITATIONS	
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

3.10 Version 2.0.5

#	DESCRIPTION
OVERVIEW	
<p>This release:</p> <ul style="list-style-type: none"> - Supports DA1469x SDK 10 - Supports DA14585/6 SDK 6.0.8 <p>It includes:</p> <ul style="list-style-type: none"> - Installer v2.0.5 - Welcome page v2.0.5 - Eclipse CDT and plugins v3.0.5 - Toolbox v5.0.5 <p>Note: for detailed release notes related to Toolbox, see Toolbox release notes.</p>	
NEW FEATURES	
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
FIXES / IMPROVEMENTS	
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
OPEN ISSUES & LIMITATIONS	
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

3.11 Version 2.0.3

#	DESCRIPTION
OVERVIEW	
<p>This release:</p> <ul style="list-style-type: none"> - Supports SDK 10 for DA1469x family - Better integrates with SDKs in terms of configuration and functionality <p>It includes:</p> <ul style="list-style-type: none"> - Installer v2.0.3 - Welcome page v2.0.3 - Eclipse CDT and plugins v3.0.3 - Toolbox v5.0.3 <p>Note: for detailed release notes related to Toolbox, see Toolbox release notes.</p>	
NEW FEATURES	
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
FIXES / IMPROVEMENTS	
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
OPEN ISSUES & LIMITATIONS	
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

3.12 Version 1.6

#	Major Changes from last Release
OVERVIEW	
<p>This release:</p> <ul style="list-style-type: none"> - Supports DA14585 SDK 6.0.4 - Supports DA1468x SDK 1.0.10 - Implements various Toolbox enhancements <p>It includes:</p> <ul style="list-style-type: none"> - Installer v1.6 - Welcome page v1.6 - Eclipse CDT and plugins v2.6 - Toolbox v4.8 <p>Note: for detailed release notes related to Toolbox, see Toolbox release notes.</p>	
NEW FEATURES	
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
FIXES / IMPROVEMENTS	
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
OPEN ISSUES & LIMITATIONS	
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

3.13 Version 1.5

#	Major Changes from last Release
OVERVIEW	
<p>This release:</p> <ul style="list-style-type: none"> - Adds support for device DA14585/6 - Adds support for device DA14682/3 <p>It includes:</p> <ul style="list-style-type: none"> - Installer v1.5 - Welcome page v1.5 - Eclipse CDT and plugins v2.5 - Toolbox v4.7 <p>Note: for detailed release notes related to Toolbox, see Toolbox release notes.</p>	
NEW FEATURES	
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
FIXES / IMPROVEMENTS	
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
OPEN ISSUES & LIMITATIONS	
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.

3.14 Version 1.4

#	Major Changes from last Release
OVERVIEW	
<p>This release:</p> <ul style="list-style-type: none"> - Adds Python 3.5 - Adds new RF Master application <p>It includes:</p> <ul style="list-style-type: none"> - Installer v1.4 - Welcome page v1.4 - Eclipse CDT and plugins v2.4 - Toolbox v4.6 <p>Note: for detailed release notes related to Toolbox, see Toolbox release notes.</p>	
NEW AND UPDATED FEATURES	
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
FIXES / IMPROVEMENTS	
0774/01	Some aesthetic improvements in welcome page
0774/02	Uses the correct PyDev plugin version to be compatible with the environment
OPEN ISSUES & LIMITATIONS	
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 1.3

#	Major Changes from last Release
OVERVIEW	
This release: <ul style="list-style-type: none"> - Adds support for Mac OS X - Supports DA1468x Reference Designs It includes: <ul style="list-style-type: none"> - Installer v1.3 - Welcome page v1.3 - Eclipse CDT and plugins v2.3 - Toolbox v4.5 Note: for detailed release notes related to Toolbox, see Toolbox release notes.	
NEW AND UPDATED FEATURES	
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
FIXES / IMPROVEMENTS	
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
OPEN ISSUES & LIMITATIONS	
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 1.2

#	Major Changes from last Release
OVERVIEW	
<p>This release:</p> <ul style="list-style-type: none"> - Merges environment for DA1458x and DA1468x - Supports SDK-specific installation / configuration - Supports SDK-specific launch configurations - Adds SEGGER System Viewer <p>It includes:</p> <ul style="list-style-type: none"> - Installer v1.2 - Welcome page v1.2 - Eclipse CDT and plugins v2.2 - Toolbox v4.4 <p>Note: for detailed release notes related to Toolbox, see Toolbox release notes.</p>	
NEW AND UPDATED FEATURES	
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
FIXES / IMPROVEMENTS	
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)
OPEN ISSUES & LIMITATIONS	
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

3.17 Version 1.1

#	Major Changes from last Release
OVERVIEW	
<p>This release:</p> <ul style="list-style-type: none"> - Improves installation process - Supports 'global' launch configurations <p>It includes:</p> <ul style="list-style-type: none"> - Installer v1.1 - Welcome page v1.1 - Eclipse CDT and plugins v2.1 - Toolbox v4.2 <p>Note: for detailed release notes related to Toolbox, see Toolbox release notes.</p>	
NEW AND UPDATED FEATURES	
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
FIXES / IMPROVEMENTS	
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.
OPEN ISSUES & LIMITATIONS	
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

3.18 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.