

# SmartSnippets Studio Release Notes for version 1.6

## Table of contents

1.0	Introduction.....	2
1.1	SCOPE.....	2
1.2	TERMS AND ABBREVIATIONS.....	2
1.3	RELEASE DATA .....	2
1.4	LICENSE .....	2
1.5	HISTORY .....	2
2.0	Release Description.....	3
2.1	MAJOR CHANGES .....	3
2.2	ISSUES OR LIMITATIONS.....	3
2.3	MAJOR RELEASE FILES.....	4
3.0	Release History .....	5
3.1	VERSION 1.5 .....	5
3.2	VERSION 1.4 .....	6
3.3	VERSION 1.3 .....	7
3.4	VERSION 1.2 .....	8
3.5	VERSION 1.1 .....	9
3.6	VERSION 1.0 .....	10

# 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
- OTP One-Time Programmable memory
- SDK Software Development Kit
- URL Uniform Resource Locator

## 1.3 Release Data

PROJECT	SmartSnippets Studio
RELEASE DATE	23 June 2017
VERSION NR.	1.6
RELEASE TYPE <sup>1</sup>	FULL
RELEASE MASTER	Gerard Wolters

## 1.4 License

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

## 1.5 History

VERSION	RELEASE MASTER	DATE
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>	
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>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 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

## 2.3 MAJOR Release Files

#	File Name	Description
1	SmartSnippets_Studio_v1.6.3_windows.msi	RELEASE FILE
2	SmartSnippets_Studio-linux.gtk.x86_64-1.6.3.run	RELEASE FILE
3	SmartSnippets_Studio_v1.6.3.dmg	RELEASE FILE
4	SmartSnippets_Studio_Release_Notes.doc	RELEASE NOTES

## 3.0 Release History

### 3.1 Version 1.5

#	DESCRIPTION
<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.

### 3.2 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

### 3.3 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

### 3.4 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



### 3.5 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

### 3.6 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 2 numbers. MAJOR.MINOR

Versioning rules:

#MAJOR: It is increased by 1 only if the project undergoes a major modification. It is initialized at 1.

#MINOR: Indicates a new version that adds new features, updates, improvements and fixes while keeping the major release intact.