# Release Notes

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| **Release Note:** | Datalogic SDK 2.2.0.67 | **Distribution Date:** | September 4, 2018 |
| **Product Involved:** | Skorpio™ X4 WEC7, Falcon™ X4 WEC7, Joya Touch™ WEC7, Joya™ X2 GP, Falcon™ X3+, Falcon™ X3, Elf™, Skorpio™ X3, DH60 and Lynx™ | | |
| **Description:** | Datalogic Native and .NET Software Development Kits version 2.2.0.67 | | |
| **Business Unit:** | Mobile Computers | | |

**Distribution Scope:** ☐ Internal ☒ External – specify: **Public**

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## Datalogic Native and .NET Software Development Kits version 2.2.0.67

## 1. COMPATIBILITY

- ▪ For use with both Windows Embedded Handheld (formerly Windows Mobile) and Windows CE versions of Skorpio X4, Falcon X4, Joya Touch, Joya™ X2 General Purpose, Falcon X3+, Falcon X3, Elf, Skorpio X3, DH60 and Lynx devices.

   **NOTE:**

   Required Visual Studio 2008. Other Visual Studio versions are not supported.

   For installation on both 32-bit and 64-bit versions of Windows 7, Windows 8 and Windows 10.

   \\\IMPORTANT\\\ When using this SDK to create .NET Applications, the user must copy Datalogic.API.DLL from the desktop computer to the terminal (preferably in same directory as the application). The terminal only has the older Datalogic.API.DLL (inside the \Windows directory) for backwards compatibility. See Read Me First document for details.

## 2. ENHANCEMENTS

### 2.1.  Functional Enhancements

   a. Updated Wi-Fi SDK components adding WEP and TKIP support for X4 WEC7 devices.
   b. Added support for multiple enabled wi-fi profiles.

### 2.2.  Support Enhancements

   a. Added WiFi.EnableConfig method.

## 2.3.   Sample Applications Enhancements

a. Updated C/C++ and .NET SDK Wi-Fi sample applications, demonstrating how to connect to WEP and TKIP networks.
b. Updated C/C++ and DotNet SDK Wi-Fi sample applications, demonstrating WiFiEnableConfig function usage.

# 3. CORRECTED DEFECTS

## 3.1.   Functional Corrections

a. Now the 2D scanner reports both pair of labels when "Require ISBT 128 Concatenation" is enabled.

# 4. FILES

- DatalogicSDK-2.2.0.67.EXE: SDK Installer 2.2.0.67 version
- Read Me First.pdf
- Help Files and Documentation
- ReleaseNote_SDK_2.2.0.67.pdf (this document)

# 5. SUPPORT

Datalogic Mobile SW Download Area:

http://www.datalogic.com/eng/support-sp-18.html#_downloads


Datalogic Mobile Support:

http://www.datalogic.com/eng/support-sp-18.html#_tech_support

# 6. HISTORY

## 6.1.   Datalogic Native and .NET Software Development Kits version 2.1.0.65

### ENHANCEMENTS
Functional Enhancements

- Added Wi-Fi SDK components to be used on X4 devices only.

- Added USBLAN SDK components to get and set USB mode (ActiveSync vs. USBLAN) to be used on X4 devices only starting from 1.20 fw version.
- Added Beacon SDK components to be used on Joya Touch devices.

Support Enhancements

- Miscellaneous #defines added. See SDK Help > C SDK > API History for detailed API changes.
- Removed BtScanBeacons and CvtBtStringToAddr functions from dlbt_api.h header file.

## CORRECTED DEFECTS

- None

## 6.2. Datalogic Native and .NET Software Development Kits version 2.0.0.0

### ENHANCEMENTS

Functional Enhancements

- Added functions for JoyaCradle and SoftSpot to C/C++ and .NET.
- Added functions for getting and setting XML Parameters.
- Added functions to start and stop device buzzer.
- Added functions to vibrate the device.
- Added Bluetooth scan beacons function.
- Added new DatalogicAPI.lib static library.
- Installer includes support for "Datalogic WEC7 SDK" for WEC7 devices. The only WEC7 device is currently the Joya Touch.

Support Enhancements

- Updated documentation for new functions.
- New functions denoted as API v2 functions in help file.
- Explained usage of new static C library (DatalogicAPI.lib).

Sample Applications Enhancements

- Added JoyaCradle and SoftSpot sample C and DotNet projects (for Joya Touch).
- Updated all sample projects to be in Visual Studio 2008 format.

## CORRECTED DEFECTS

- None

## 6.3.    Datalogic Native and .NET Software Development Kits version 1.9.5.0

### ENHANCEMENTS

Functional Enhancements

- Added Bluetooth discovery for serial devices function to C/C++ and .NET.

Support Enhancements

- Added information to the help for the Bluetooth discovery function.

Sample Applications Enhancements

- Added sample code to demonstrate the Bluetooth discovery functions.

### CORRECTED DEFECTS

- None

## 6.4.    Datalogic Native and .NET Software Development Kits version 1.9.0.1

### ENHANCEMENTS

Functional Enhancements

- Added Decoding Support to C, .NET, and Java:
  - ISBT 128 code symbology and parameters
  - China Post 2 of 5 symbology and parameters
  - QR Code encoding
  - Composite EAN Require 2D
  - Read bar codes from a smart phone display
  - Multi-Indicate Enable
  - Multi-Scan count
  - Get / Set Auto Range enable
  - Get / Set Decode Scan Width
  - Get / Set Decode Scan Width

- Added DeviceModel C, .NET, and Java:
  - FalconX3 Plus
  - DH60
- Added Arabic to International and International_T for C, .NET, and Java.

Support Enhancements

- Many updates and corrections made to the Help file.

## CORRECTED DEFECTS

- Corrections to AIM ID modifier values in .NET and Java.

## 6.5.    Datalogic Native and .NET Software Development Kits version 1.8.5.0

### ENHANCEMENTS

Functional Enhancements

- C, C#, VB.NET, and Java SDK: added Set_TargetEnable / Get_TargetEnable function to control the 2D target crosshairs.
- C, C#, VB.NET, and Java SDK: added Set_CurvedSurfaceEnable / Get_CurvedSurfaceEnable functions to control the laser decoder to read curved surfaces.
- C, C#, VB.NET, and Java SDK: added Japanese_T to the list of translated language types.
- C# and VB.NET SDK: added a third override of DecodeHandle.ReadString method with the added code ID modifier parameter.
- C# and VB.NET SDK: added AIM ID modifier enumerations.
- Java SDK: added AIM ID modifier defines to APIEmum class.
- Java SDK: added setLabelPrefix / getLabelPrefix methods to DecodeAPI class.
- Java SDK: added setLabelSuffix / getLabelSuffix methods to DecodeAPI class.
- Java SDK: added setLabelSeparator / getLabelSeparator methods to DecodeAPI class.

Support Enhancements

- Many improvements and corrections were made to the Help File including Symbology Identification.

Sample Applications Enhancements

- Added examples of the new DecodeHandle.ReadString method was added to the C# Decoding Handle sample code to show how to read the AIM ID modifiers.

## CORRECTED DEFECTS

- Many improvements and corrections were made to the Help File.
- Updated Read Me First document with corrected Java JDK links.

## 6.6. Datalogic Native and .NET Software Development Kits version 1.8.0.0

### ENHANCEMENTS

Functional Enhancements

- Added Accelerometer API and functionality and sample applications to the SDK. Currently, only the Elf Windows Embedded Handheld devices have the Accelerometer hardware.
- Added MAX_DCD_DEVICES and DCD_NAME_LENGTH to the C SDK DecodeAPI.h header file.

Support Enhancements

- Added Help file C, .NET, and Java documentation for new Accelerometer API.

### CORRECTED DEFECTS

Functional Corrections

- Java SDK command-line prompt now works on Windows 7 64-bit computers.
- Corrected the DeviceAPI.h for the UNIT_MODEL_LYNX.

Installation Corrections

- The Datalogic SDK can now be installed on a Windows 7 computer for Windows CE only development without the Windows Mobile 6.0 Pro Refresh.

Sample Applications Corrections

- DecodeTestEvent C Sample application was corrected.
- C SDK sample application DecodeTestEvent is now creating the correct binary file.

Documentation Corrections

- Several Help file additions and corrections of current functions and methods.

## 6.7. Datalogic Native and .NET Software Development Kits version 1.7.2.3

### ENHANCEMENTS

Support Enhancements

- Added Java to the SDK Help.
- Added support for IBM / Microdoc Java Runtime Environment for Windows CE 6.0 devices.

### CORRECTED DEFECTS

- None

## 6.8. Datalogic Native and .NET Software Development Kits version 1.7.2.2

### ENHANCEMENTS

Functional Enhancements

- Improved Java compatibility with Windows CE 6.0.
- Added new C, C# and Java functions:
  - DeviceEnableModem
  - DeviceGetBatterySuspendTimeout
  - DeviceSetBatterySuspendTimeout
  - DeviceGetACSuspendTimeout
  - DeviceSetACSuspendTimeout
  - DevicePlayBeep
  - DeviceEnableLED
  - DeviceBlinkLED
  - DeviceEnableModem

- DeviceEnableModem
- DeviceGetBatterySuspendTimeout
- DeviceSetBatterySuspendTimeout
- DeviceGetACSuspendTimeout
- DeviceSetACSuspendTimeout
- DevicePlayBeep
- DeviceEnableLED
- DeviceBlinkLED
- DeviceEnableModem
- Added new C/C++ functions capability for Legacy Skorpio SDK:
  - DLDevice::BlinkGreenLED
  - DLDevice::SetGreenLED
  - DLDevice::GetBatteryLevel
  - DLDevice::SoundBeeper
  - DL_BATTERY_SetSuspendTimeout
  - DL_BATTERY_GetSuspendTimeout
  - DLAC_SetSuspendTimeout
  - DLAC_GetSuspendTimeout
  - DLBEEPER_Play
  - DLDEVICE_SetCradleModem
  - DLLED_Blink
  - DLLED_Set
- Added new parameters for Legacy Skorpio SDK:
  - SCAN_PARAM_GREEN_SPOT_DURATION
  - SCAN_PARAM_LED_NUM_OF_PULSES
  - SCAN_PARAM_LED_PULSE_DURATION

### Support Enhancements

- Added new functions and corrections in the Help file.

## CORRECTED DEFECTS

### Functional Corrections

- SDK: C# Device.BtStatus now correctly returns the correct status
- Implemented Decode timeout notification events in the Java SDK.

### Installation Corrections

- The C/C++ SDK can now be installed without requiring the .NET SDK to be installed.
- Corrected installation defects when only Java SDK is installed.

## 6.9. Datalogic Native and .NET Software Development Kits version 1.7.0.1

### ENHANCEMENTS

- Added Skorpio X3 compatibility.
- Added new .NET DLL and functionality.
- Improved existing and added new C and C# sample applications.
- Integrated and expanded help file.
- Provided a matrix in the help file explaining in which sample applications to find examples of using particular methods.
- Added a separate Help file from the install.
- Added Application Portability SDK Guide and Read Me First documents.

### CORRECTED DEFECTS

- New SDK installation does not replace old versions of files left on the computer.
- SDK uninstaller doesn't remove SDK files from the computer.
- Windows CE SDK can't be installed without the Windows Mobile 6.0 Pro SDK Refresh installed.
- Java SDK can't be installed without the Windows Mobile 6.0 Pro SDK Refresh installed.
- Corrected cosmetic installation errors.
- Updated and corrected the EULA.
- Updated and corrected the Help file.

## 6.10. Datalogic Native and .NET Software Development Kits version 1.3.0.1

### ENHANCEMENTS

- Sample applications made uniform in naming conventions.
- Installer checks to see if versions 1.0, 1.2, 1.3 or the current version 1.3.0.1 are already installed.
- Installer now checks to see if there are sample applications left over from a previous installation; it will prompt the user to delete or rename the directory then try again to install. Automatic backup of the directory has been removed.
- One set of sample applications is now used for both device operating systems; selecting the OS only applies to the installation of the Win Mobile or CE SDKs.

- Selection of the programming language and Device OS have been separated.
- ReadMe.txt files have been added to the sample applications.

## CORRECTED DEFECTS

- Version 1.3.0.0 had an older version of Datalogic.API.dll (1.11.0.31) instead of 1.11.0.32.
- Several corrections to the C/C++, C# and VB.Net Sample applications.
- C/C++, C# and VB.Net SDK now supports Windows CE 6.0.
- Corrected DecodeReadString and DeviceSetTriggerType defects.

## 6.11. Datalogic Native and .NET Software Development Kits version 1.2.0.0

### ENHANCEMENTS

- Updated DecodePostRequestEventEx sample application for C\C++, added GUI.
- New updated help file.
- Installer now checks to see if there are sample applications left over from a previous installation, it will prompt the user with a dialog and copy those to a SDK_backup folder.

### CORRECTED DEFECTS

- None