# WritePad® SDK 5.2 for iOS Release Notes

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### Overview

WritePad® is a natural, style, writer and lexicon independent multilingual handwriting recognition technology. WritePad SDK enables natural handwriting input in third party applications on pen and/or touch enabled mobile devices. The SDK includes:

* WritePad handwriting recognition engine in object code and dictionaries for English, French, German, Dutch, Danish, Italian, Portuguese, Norwegian, Finish, Swedish, and Spanish languages. Engine is compatible with the user-specified platform. WritePad SDK static library supports iOS 6.0 or later (the sample code is for iOS 9 or later and requires Xcode 7.0 or later).
* Header files with definition of API calls and structures
* Developer's Guide in PDF
* Sample source code that demonstrates how to use the WritePad SDK in an iOS application.

### WritePad SDK features

* Recognizes natural handwritten text in a variety of handwriting styles: *cursive (script),* **PRINT**, and MIX*ed* (*cursive*/print).
* Recognizes dictionary words from its main or user-defined dictionary, as well as non-dictionary words, such as names, numbers and mixed alphanumeric combinations.
* Provides automatic segmentation of handwritten text into words and automatically differentiates between vocabulary and non-vocabulary words, and between words and arbitrary alphanumeric strings
* Does not require a user to train the software and allows for most users to achieve high accuracy right "out of the box".
* Reliably recognizes handwriting in 12 languages, including English (US, UK), French, Finnish, German, Italian, Indonesian, Dutch, Danish, Norwegian, Portuguese (Brazil and Portugal), Swedish, and Spanish languages.

### Directory structure

* **Dictionaries** – contains WritePad dictionaries for all supported languages
* **Documentation** – contains WritePad SDK documentation and licensing agreements
* **include** – contain SDK header files (C API)
* **Library** – contains WritePad universal static libraries compiled for the device and emulator, including support for 32- and 64-bit.
* **WritePadSDK-Sample** – sample project in Objective-C that demonstrates usage of the SDK. This project targets iOS SDK 8.0 or later, however, the handwriting recognition library can support older versions of iOS.
* **WritePadSDK-Sample-Swift** – sample project demonstrating how to use WritePad SDK in iOS application written in Swift. Handwriting recognition manager in Objective-C provides bridge between WritePad C-language API and front end written in Swift.

### Compiling the sample project

**WritePadSDK-Sample** and **WritePadSDK-Sample-Swift** sample projects are included with the SDK targeting both iPad and iPhone devices.

When creating your own project using the WritePad SDK which does not contain any C or C++ files you may need to specify the additional linker flags in the project settings (*Other Linker Flags* filed): **-cclib -lstdc++**

You can use the sample source code in your project when integrating with WritePad SDK. The sample source code is provided “AS-IS” without any warranties. For more information, see the license and warranty disclaimer at the beginning of each source file.

**Please note that a use the SDK sample code, or any portion of it, in an application that is not integrated with the WritePad SDK is stickily prohibited and will constitute violation of the WritePad SDK License Agreement**.