

HERE iOS SDK

Release Notes

Premium Edition Version 3.0.1

The logo for HERE, consisting of the word "here" in a bold, blue, lowercase sans-serif font, rotated diagonally.

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Document

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Overview

The HERE iOS SDK offers APIs to enable developers to access HERE location-based assets and bring a rich and immersive location experience to their applications with beautiful and accurate maps, a global database of Places and a world-class routing capability.

The scope of this document is to provide the release notes of the HERE iOS SDK.

Target Audience

This document is targeted at the developers who are already familiar with iOS app development. Readers should have some experience using Xcode and Objective-C.

Release Content

Native APIs	Enabling native applications to leverage HERE functionality
Documentation	API Reference Documentation and Developer Guide
Sample Applications	Sample applications in Objective C

Package Description

<code>/docs</code>	API Reference documentation
<code>/sample-apps</code>	Sample applications to be used with the Quick Start section in the Developer's Guide
<code>/user-guide/HERE iOS SDK Premium Edition v3.0.1 Developer's Guide.pdf</code>	HERE iOS SDK Developer's Guide
<code>HERE iOS SDK Premium Edition v3.0.1 Release Notes.pdf</code>	This document
<code>Framework/NMAKit.framework</code>	HERE iOS SDK

System Requirements

- iOS 7.0 or higher. iOS 8 is recommended for optimal operation.
 - XCode 6.3 or above running on Mac OS X 10.10
 - iPhone 4S or newer devices
- 📄 **Note:** iPhone 5 / iOS 8.3 or newer devices are recommended for the LiveSight feature.

Features Overview

- 📄 **Note:** You may not have access to all features listed below. The enabled features are determined based on your business plan.

Mapping:

- Dynamically download vector maps for over 190 countries in over 50 languages
- Preload maps for offline usage
- Map styles: Normal, Night, Satellite with Streets, Terrain, and more
- Touch gestures such as tap, pan, and pinch
- Overlay objects on the map such as polylines, polygons, icons, routes
- 3D landmarks
- Overlay custom raster tiles on the map (useful for features such as heat maps)
- Show real-time traffic flow and incidents
- Traffic and transit object interaction
- Venue maps
- Extruded buildings
- Street-level imagery
- 3D map objects

Search:

- Broad content with 25 million streets, 200 million point addresses, and over 60 million categorized places across the globe
- Search Places for somewhere specific or explore by categories
- Get rich details for a Place (images, ratings, reviews, editorials etc.)
- Perform Online Geocoding and Reverse Geocoding lookups
- Offline Places search, Geocoding, Reverse Geocoding

Directions:

- Online Car , Public Transit, and Pedestrian Route Directions
- Routing options (Highways, Tolls, Fastest etc.)
- Specify preferred route type (fastest or shortest) and route options (such as avoiding toll roads, motorways, and parks)
- Alternate routes
- Offline route calculation
- Driving directions with traffic taken into account

- Public Transit directions

Turn-by-turn Navigation:

- Online and offline turn-by-turn navigation with voice instructions in US English
 - Download and set additional navigation voices
 - Navigation voices in a variety of languages. For a list of the available languages, see the Developer's Guide.
- 📖 **Note: [Important]** Application developers using the Turn-by-turn Guidance APIs are required to thoroughly test their applications in all expected usage scenarios to ensure safe and correct behavior. Application developers are responsible for warning their users of the following obligations:
1. Do not follow instructions that may lead to an unsafe or illegal situation
 2. Obey all local laws.
 3. Be aware that using a mobile phone or some of its features while driving may be prohibited.
 4. Always keep hands free to operate the vehicle while driving.
 5. The first priority while driving should be road safety.

LiveSight (Augmented Reality)

- Project objects in a camera view
- Track the position of the device and objects in space
- Gesture support allows the user to interact with content
- Configurable LiveSight engine allows the user experience to be customized

Other Features:

- Custom Location search by using location attributes, proximity, area, or corridor radius
- Visual information for fleet vehicles and trucks
- Congestion toll zones and the typical traffic patterns for a given time of the week
- Map Marker Clusters

Getting Started

Please refer to the documentation under the `/user-guide` folder for details on how to quickly start evaluating the HERE iOS SDK.

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New Features

New Features in Version 3.0.1

- We reduced the map coverage of Mainland China.
- We expanded the support of automatic geopolitical maps.

New Features in Version 3.0

- We enabled access based on license keys.
- We added 3D Venue Maps
- We added the ability to deactivate voice guidance and more audio controls
- We enabled Mercator projection
- We added better support for voice navigation with Bluetooth devices
- We added support for Dynamic Navigation based on traffic
- We added the Traffic Warner
- We added support for 3D objects to LiveSight
- We have moved LiveSight out of beta
- We updated the SDK to only preload the English voice package.
- We added marker clustering
- We added native rendering for truck attributes, fleet maps, environmental zones

API Changes, Fixed Issues, and Improvements

Version 3.0.1

- Added new `NMAMapView` APIs for setting the visible map layers according to their categories.
- Deprecated `setVisibility:forMapLayers`, `visibleMapLayers`, and `isMapLayerVisible` in `NMAMapView`.
- Fixed an issue where Brazilian Portuguese strings are displayed in European Portuguese.

Known Issues

- `NMACompositeView` - The camera view may become distorted when the device orientation switches repeatedly, or if the orientation is changed from its previous state before the app comes to the foreground.

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```

```
hwcryptoohook.h
```

```
/*
 * ModExp / RSA (with/without KM) plugin API
 *
 * The application will load a dynamic library which
 * exports entrypoint(s) defined in this file.
 *
 * This set of entrypoints provides only a multithreaded,
 * synchronous-within-each-thread, facility.
```



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* Clipper 6.2
*****

/*****
*
* Author      : Angus Johnson
* Version    : 6.2.0

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* "A generic solution to polygon clipping" *
* Communications of the ACM, Vol 35, Issue 7 (July 1992) pp 56-63. *
* http://portal.acm.org/citation.cfm?id=129906 *
* *
* Computer graphics and geometric modeling: implementation and algorithms *
* By Max K. Agoston *
* Springer; 1 edition (January 4, 2005) *
* http://books.google.com/books?q=vatti+clipping+agoston *
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* See also: *
* "Polygon Offsetting by Computing Winding Numbers" *
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* *
*****/
/*****
*
* This is a translation of the Delphi Clipper library and the naming style *
* used has retained a Delphi flavour. *
* *
*****/
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