



HERE iOS SDK

Release Notes

Premium Edition Version 3.5

Important Information

Notices

Topics:

This section contains document notices.

- [Legal Notices](#)
- [Document Information](#)

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Chapter 1

Overview

Topics:

- [Highlights](#)

This document provides a summary of important changes for this version. Apart from newly resolved issues and added or improved functionality, this document also includes information about known issues remaining in this release as well as any existing limitations and workarounds.

Highlights

The following highlights give a short summary of the most important changes, added functionality and improvements:

- This version of the SDK has been updated to work with iOS 11.
- For a list of all new features in this release, see [New Features](#) on page 9.

Chapter 2

Changes

Topics:

- [New Features](#)
- [Functional and Behavioral ...](#)
- [Resolved Issues](#)
- [API Changes](#)
- [Known Issues](#)
- [Limitations and Workaround...](#)

This section documents major changes to the release that may require the updating of affected applications and/or associated map data.

For product changes in previous releases, see the relevant chapters in these documents: [HERE iOS SDK - Premium Edition Release Notes](#)

New Features

The following list contains new features in the current release of the HERE iOS SDK:

HERE SDK 3.5

- Added support for iOS 11 and Xcode 9
- Added APIs to turn off rendering for certain levels of traffic flow.
- Added the ability to enable GPX and Route Simulation in Guidance when the app is in the background.
- Added beta feature to support route calculations based on fuel resource consumption.
- Added support for search modes in Reverse Geocoder requests.
- Added the ability in HERE Positioning to automatically switch between community and private radiomaps

Functional and Behavioral Changes

The following table contains descriptions of added or changed functionality and changes in product behavior.

Table 1: Functional and Behavioral Changes

#	Description
1	Modified the way Wikipedia editorial links are queried from Place searches
2	Improved the handling of audio routes in <code>NMAAudioManager</code> , especially when Bluetooth is used.
3	Improved the error description for the case when an online search is performed but the device is offline
4	<p>Aligned the behavior of the routing connectivity modes (<code>NMACoreRouterConnectivity</code>) and search connectivity modes (<code>NMARequestConnectivity</code>) to be more consistent.</p> <ul style="list-style-type: none"> • If you launch a request using the "default" connectivity mode, the request is performed according to the <code>NMAApplicationContext</code> connectivity setting. If the device is offline while <code>NMAApplicationContext</code> is set to online mode, the request fails. • If you launch a request using the "online" connectivity mode, an online request is performed, regardless of the <code>NMAApplicationContext</code> connectivity setting. • If you launch a request using the "offline" connectivity mode, an offline request is performed, regardless of the <code>NMAApplicationContext</code> connectivity setting. <p>In all cases, if the request fails, no fallback action is automatically performed.</p>
5	Setting <code>IndoorPositioningMode</code> to <code>AUTOMATIC</code> switches now automatically between Community and Private Indoor Positioning.
6	We have updated the HERE Indoor Radio Mapper. For more information, check the files in the <code>Indoor-Positioning-Solution</code> folder.
7	We have improved Bluetooth and wifi radio usage for HERE Positioning

For added and improved functionality in previous releases, see the relevant chapters in these documents:
<http://developer.here.com/documentation/versions#ios-hybrid-plus>

Resolved Issues

The following table summarizes major issues resolved in HERE iOS SDK.

Table 2: Resolved Issues

#	Description
1	Fixed an issue where the map continues to move after a drag gesture.
2	Fixed an issue where <code>NMAMapLoaderDelegate</code> is not invoked when the app is launched for the first time
3	Fixed an issue where partially downloaded maps are not displayed in the list of downloaded maps
4	Fixed an issue where a previously-installed map package is not shown as installed after a HERE SDK version update
5	Fixed an issue where traffic lines on the calculated route stays on the map after recalculation
6	Fixed an issue where the size of 2D Signpost images are unexpectedly affected by Junction View images
7	Fixed an issue where truck restrictions are not visible on truck-related map schemes.
8	Fixed an issue where "green" traffic appears on top of a route
9	Fixed an issue where the traffic (time to arrival) delay is incorrect in the route results

API Changes

Added

- `NMAMapview maximumRefreshRateLimitEnabled`
- `NMAMapview trafficDisplayFilter`
- `NMAPlaceRequest addContent`
- `NMAPlacesContentWikipedia`
- `NMAGeocoder createReverseGeocodeRequestWithGeoCoordinates: mode: bearing:`
- `NMAREverseGeocodeModeRetrieveAddresses`
- `NMAREverseGeocodeModeRetrieveAreas`
- `NMAREverseGeocodeModeRetrieveLandmarks`
- `NMAREverseGeocodeModeRetrieveAll`
- `NMAREverseGeocodeModeTrackPosition`
- `NMAGeocodeResult *matchLevel`

Removed

 **Note:** APIs that have been deprecated for more than one year were removed in this release.

For API changes in previous releases, see the relevant chapters in these documents: [HERE iOS SDK - Premium Edition Release Notes](#)

Known Issues

- Maps that have a non-default `transformCenter` and a zoom level of 7 or lower may appear to flicker when the user uses a panning gesture.
- `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.
- Online and offline Place search results may differ when both an explicit search center and an implicit viewport are sent.

Limitations and Workarounds

There are no known limitations and workarounds in this release.

Chapter 3

Package Information

Topics:

- [Release Content](#)
- [Package Description](#)
- [Getting Started](#)

This chapter contains information on the package delivery, the package contents, the dependencies and installation guide.

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 and Swift
Indoor Positioning Solution	Apps and instructions to support HERE indoor positioning

Package Description

/sample-apps	Sample applications to be used with the Quick Start section in the Developer's Guide
/user-guide/HERE iOS SDK Premium Edition v3.5 Developer's Guide.pdf	HERE iOS SDK Developer's Guide
HERE iOS SDK Premium Edition v3.5 Release Notes.pdf	This document
README.md	Instructions for using HERE SDK through CocoaPods.
HERE-sdk.zip/HERE-SDK-Notices.html	Copyright and licensing text for the HERE iOS SDK. A copy of this text is also available in the Release Notes.
HERE-sdk.zip/version.txt	Version information about the HERE iOS SDK.
framework/NMAKit.framework	HERE iOS SDK
framework/strip_sim.sh	Script for removing simulator architectures from the NMAKit library.
Indoor-Positioning-Solution/here_indoor_radio_mapper-4.5.apk	HERE Indoor Radio Mapper Android app
Indoor-Positioning-Solution/docs/Indoor Positioning v3.1 Installation Guide.pdf	Instructions on how to set up Indoor Positioning
Indoor-Positioning-Solution/docs/Indoor Radio Mapper v4.5 Release Notes.pdf	Release Notes about the Indoor Radio Mapper app
Indoor-Positioning-Solution/docs/Indoor Radio Mapper v4.5 User Guide.pdf	Instructions on how to use the Indoor Radio Mapper Android app to create indoor maps that can be used with HERE Positioning

Getting Started

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

- **Note:** Developers using the HERE iOS SDK in their application projects must embed or link to the legal text provided in [Copyright Information](#) on page 15 from a user-accessible area of their application.

Appendix

Other Information

Topics:

- [System Requirements](#)
- [Copyright Information](#)

This appendix contains other information about the release such as release overview, technical specifications, dependencies, 3rd party copyright notices, release quality, and related documents.

System Requirements

- HERE SDK supports iOS 10 or above. iOS 11 is recommended for optimal operation.
- HERE iOS SDK is designed and tested for use with iOS phones and tablets. Supported devices are:
 - iPhone 5 or newer
 - iPad 3 or newer
 - iPad Mini 2 or newer
- 📄 **Note:** While the HERE iOS SDK supports both 32-bit and 64-bit devices, iOS 11 is 64-bit only, and only these devices are supported:
 - iPhone 5s or newer
 - iPad Air or newer, including iPad (2017) and iPad Pro
 - iPad Mini 2 or newer
- Apps should be developed using XCode 9 or above, running on macOS 10.12.6 or above.
- For the storage of application binaries, a minimum of 30MB should be made available per application.
- For the storage of map data, a minimum of ~100MB should be made available.
- Data connectivity (WiFi or Cellular) is required to download map data and ensure map data is updated when new versions are made available.

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=== LZ4 r126 ===

LZ4 - Fast LZ compression algorithm

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=== malloc_count ===

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=== uriparse 0.7.5 ===

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=== UTF8-cpp 2.3.4 ==

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=== Zlib 1.2.8 ==

zlib.h -- interface of the 'zlib' general purpose compression library
version 1.2.8, April 28th, 2013

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The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files <http://tools.ietf.org/html/rfc1950> (zlib format), [rfc1951](http://tools.ietf.org/html/rfc1951) (deflate format) and [rfc1952](http://tools.ietf.org/html/rfc1952) (gzip format).

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