



HERE iOS SDK

Release Notes

Premium Edition Version 3.9

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 12 and Xcode 10.
- Offline routing no longer works with on demand map data downloads. Starting with this release, map data must be downloaded or prefetched beforehand for offline routing to work properly.
- To ensure Turn-by-Turn navigation works in offline mode or area that has poor network connection, map data that covers the route should be first prefetched or downloaded via map loader.
- 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 3.9

- This release fully supports iOS 12 and Xcode 10.
- The HERE SDK now supports Swift 4.2.
- Added option to periodically retrieve and display alternative routes during guidance.
- Scooter routing will now take into account scooter-only roads.
- Enhanced `NMMLaneInformation` APIs to identify the lane direction which corresponds with the next maneuver on the route.
- Added support for patterned polylines, polygons and circles.
- Added option to enable/disable kinetic effects for specific gestures such as pinch zoom.
- Added an option to suppress streets where the map does not provide a name, from Reverse Geocoder results.

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	<p>The HERE SDK now supports iOS 12.</p> <p> Note: The HERE SDK is built using Xcode 10's new build system.</p>
2	<p>Deprecated APIs for retrieving the time-to-arrival in <code>NMRoute</code> and replaced with new APIs which make it clearer when the time-to-arrival is calculated using traffic downloaded to the device.</p>
3	<p>Improved error handling during route creation:</p> <p><code>NMRoutingErrorInsufficientMapData</code> error is returned when offline route calculation fails due to no or insufficient cached map data. <code>NMRoutingErrorGraphDisconnected</code> error is only returned if all needed map data is downloaded but no route exists for the given route parameters.</p> <p><code>NMRoutingErrorUnsupportedMapVersion</code> is returned for <code>NMTransportModeScooter</code> if online route calculation is requested using map version less than 8.30.84.156. Previously, a <code>NMRoutingErrorNetworkCommunication</code> error was returned.</p>
4	<p><code>NMRouteSerializationErrorTransportModeNotSupported</code> is now returned as the error when trying to serialize Public Transport or Urban Mobility routes.</p>
5	<p>Made improvements to the quality of offline routes.</p> <p> Note: Offline routing no longer works with on demand map data downloads. Starting with this release, map data must be downloaded or prefetched beforehand for offline routing to work properly.</p>
6	<p>The Indoor Positioning Installation Guide is no longer part of the release package. The HERE Indoor Positioning Installation Guide can be accessed from http://indoor.here.com.</p>

#	Description
7	The API reference is no longer embedded in the Developer's Guide. It can be found in the release package as a separate set of HTML files.
8	Improved localization in Places API requests.

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	Updated the open source libpng library to 1.6.34.
2	Updated the open source sqlite3 library to 3.24.0.
3	Updated the open source openssl library to 1.0.2p.
4	Now time-to-arrival is returned for Public Transit Route
5	Now languagePreference property of NMARquest is taken into account.

API Changes

Added

- `NMATrafficManager disableTrafficAutoUpdate`
- `NMATrafficManager isTrafficAutoUpdateEnabled`
- `NMALaneInformation matchedDirection`
- `NMANavigationManager navigationManager:navigationManager didFindAlternateRoutes:routeResult`
- `NMAMapView enableKineticForGestures`
- `NMAMapView disableKineticForGestures`
- `NMAMapView isKineticForGestureEnabled`
- `NMAMapView trafficAutoUpdateEnabled`
- `NMAMapCircle dashed`
- `NMAMapCircle dashSecondaryLength`
- `NMAMapCircle depthTestEnabled`
- `NMAMapCircle.@property patternStyle`
- `NMAMapCircle.@property customPattern`
- `NMAMapPolygon dashed`
- `NMAMapPolygon dashSecondaryLength`
- `NMAMapPolygon depthTestEnabled`
- `NMAMapPolygon patternStyle`

► Changes

- `NMAMapPolygon` `customPattern`
- `NMAMapPolyline` `patternStyle`
- `NMAMapPolyline` `customPattern`
- `NMARoute` `ttaIncludingTrafficForSubleg:subleg`
- `NMARoute` `ttaUsingDownloadedTrafficForSubleg:subleg`
- `NMARoute` `ttaExcludingTrafficForSubleg:subleg`
- `NMARouteElement` `travelDirection`

Deprecated

- `NMARoute` `tta`
- `NMARoute` `ttaForSubleg`
- `NMARoute` `ttaWithTraffic`
- `NMARoute` `ttaWithTraffic:forSubleg`
- `NMAMapView` `kineticPanningEnabled`

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.
- `NMAMapView` - 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

This section lists known limitations and, if available, related workarounds in the current release.

Table 3: Limitations and Workarounds

#	Limitation	Workaround
1	Enhanced routing options to exclude specified routing zones (e.g. environmental zones) from the calculated route is not available for iOS Premium SDK, this Beta feature is available for Android Premium SDK only.	

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

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 v3.9 Developer's Guide.pdf	HERE iOS SDK Developer's Guide
HERE iOS SDK Premium Edition v3.9 Release Notes.pdf	This document
README.md	Instructions for using HERE SDK through CocoaPods.
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.
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.
api_reference_jazzy_html_bundle_3.9.zip	HERE iOS SDK API reference

Getting Started

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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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 11 or above. iOS 12 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 or newer 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 10 or above, running on macOS 10.13.6 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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=== PayloadQueue ===
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Mesa 3-D graphics library
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=== OpenSSL 1.0.2.p ===

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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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=== TinyObjLoader ===

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