



HERE iOS SDK

Release Notes

Premium Edition Version 3.6

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:

- HERE Indoor Radio Mapper tool is no longer included in the SDK package. It is available for download via Google Play.
- 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 3.6

- The HERE SDK now supports Swift 4.0.
- We added the ability to change route colors and traveled navigational route colors using the `NMAMapRoute` class.
- We added APIs to retrieve the time-to-arrival to the next stopover waypoint.
- We added the Electronic Horizon feature, which provides a view on the road network ahead of the vehicle and predicts the most probable path and other possible side paths.
- You can now choose to avoid difficult turns in a truck routing request.
- We added support for walk guidance along an indoor route or a combined indoor and outdoor route.

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	We added new callback methods in <code>NMAMapRouteDelegate</code> for handling insufficient map data scenarios.
2	Map data now continues to download as needed when turn-by-turn guidance is active in the background. Previously, map data download stopped when rendering is stopped.
3	We added the ability to suppress voice instructions for certain navigational maneuvers.
4	We added support for defining a route waypoint by specifying a link ID and direction.
5	We removed the limit on number of waypoints in a route request. However, for performance reasons, we do not recommend having requests with more than 128 waypoints.
6	We made improvements to the detection of maneuvers and destinations during pedestrian navigation.
7	We have made general optimizations to increase responsiveness in this release.

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	We fixed an issue that caused Place labels from the wrong location to appear on the map.
2	We fixed an issue where Slovak highway names are cut off.
3	We fixed an issue where house numbers that contain the dash "-" character are not recognized in an offline address search.
4	We fixed an issue where the map becomes unusable when a low zoom-level is used with a non-default transform center.
5	We fixed an issue where the edge of a map circles appear as an unsmooth curve.

API Changes

Added

- `NMNavigationManager` `timeToArrivalWithTraffic:wholeRoute`
- `NMNavigationManagerDelegate` `navigationManagerDidSuspendDueToInsufficientMapData`
- `NMNavigationManagerDelegate` `navigationManagerDidResumeDueToMapDataAvailability`
- `NMNavigationManager` `isVoiceEnabledForManeuverAction:`
- `NMNavigationManager` `setVoiceEnabled:forManeuverAction:`
- `NMNavigationManager` `setVoiceEnabledForAllManeuverActions:`
- `NMMapRouteRenderType`
- `NMMapRoute` `NMMapRouteRenderType.NMMapRouteRenderTypePrimary`
- `NMMapRoute` `NMMapRouteRenderType.NMMapRouteRenderTypeSecondary`
- `NMMapRoute` `NMMapRouteRenderType.NMMapRouteRenderTypeUserDefined`
- `NMMapRoute` `renderType`
- `NMMapRoute` `traveledColor`
- `NMAWaypointDirection`
- `NMAWaypoint` `initWithGeoCoordinates:identifier:waypointDirection:waypointType`
- `NMAWaypoint` `identifier`
- `NMAWaypoint` `waypointDirection`
- `NMAWaypoint` `setIdentifier:waypointDirection:`
- `NMAVenue3dCombinedNavigation` `navigationState`
- `NMAVenue3dCombinedNavigation` `paused`
- `NMAVenue3dCombinedNavigation` `venueMapLayer`
- `NMAVenue3dCombinedNavigation` `currentNavigationType`
- `NMAVenue3dCombinedNavigation` `distanceToDestination`
- `NMAVenue3dCombinedNavigation` `distanceFromStart`
- `NMAVenue3dCombinedNavigation` `addListener`
- `NMAVenue3dCombinedNavigation` `removeListener`
- `NMAVenue3dCombinedNavigation` `startForCombinedRoute`
- `NMAVenue3dCombinedNavigation` `simulateForCombinedRoute`
- `NMAVenue3dCombinedNavigation` `stop`

► Changes

- `NMAVenue3dCombinedNavigationListener navigationManagerDidReachDestination`
- `NMAVenue3dCombinedNavigationListener navigationManager:didUpdateCombinedRoute:`
- `NMAVenue3dCombinedNavigationListener navigationManager:willStartIndoorSection:inCombinedRoute:`
- `NMAVenue3dCombinedNavigationListener navigationManager:willStartLinkingSection:inCombinedRoute:`
- `NMAVenue3dCombinedNavigationListener navigationManager:willStartOutdoorSection:inCombinedRoute:`
- `NMAVenue3dNavigationListener navigationManagerDidReachDestination`
- `NMAVenue3dNavigationListener navigationManager:hasCurrentManeuver:nextManeuver:`
- `NMAVenue3dNavigationListener navigationManagerDidLosePosition`
- `NMAVenue3dNavigationListener navigationManagerDidFindPosition`
- `NMAVenue3dNavigationListener navigationManager:didUpdateRouteSection:inCombinedRoute:`
- `NMAVenue3dNavigationListener navigationManagerWillReroute`
- `NMAVenue3dNavigationListener navigationManagerDidReroute`
- `NMAVenue3dNavigationManager navigationState`
- `NMAVenue3dNavigationManager paused`
- `NMAVenue3dNavigationManager mapTrackingEnabled`
- `NMAVenue3dNavigationManager mapTrackingTilt`
- `NMAVenue3dNavigationManager mapTrackingMode`
- `NMAVenue3dNavigationManager venueMapLayer`
- `NMAVenue3dNavigationManager currentManeuver`
- `NMAVenue3dNavigationManager nextManeuver`
- `NMAVenue3dNavigationManager distanceToCurrentManeuver`
- `NMAVenue3dNavigationManager distanceToNextManeuver`
- `NMAVenue3dNavigationManager distanceToDestination`
- `NMAVenue3dNavigationManager distanceFromStart`
- `NMAVenue3dNavigationManager averageSpeed`
- `NMAVenue3dNavigationManager timeToArrival`
- `NMAVenue3dNavigationManager reroutingTimeout`
- `NMAVenue3dNavigationManager vibrationEnabled`
- `NMAVenue3dNavigationManager beepsEnabled`
- `NMAVenue3dNavigationManager backgroundNavigationEnabled`
- `NMAVenue3dNavigationManager backgroundNavigationStartEnabled`
- `NMAVenue3dNavigationManager addListener`
- `NMAVenue3dNavigationManager removeListener`
- `NMAVenue3dNavigationManager startForRouteSection`
- `NMAVenue3dNavigationManager startForLinkSection`
- `NMAVenue3dNavigationManager stop`
- `NMAVenue3dNavigationManager maneuverZoomEnabled`
- `NMAVenue3dNavigationManager maneuverZoomDistance`
- `NMAVenue3dNavigationManager maneuverZoomLevel`
- `NMAVenue3dRouteManeuver geometry`
- `NMAVenue3dRouteManeuver targetManeuver`
- `NMAVenue3dSimulatedPositionSource updatesInterval`
- `NMAVenue3dSimulatedPositionSource positionSourceWithRouteSection`

► Changes

- `NMAVenue3dSimulatedPositionSource` `positionSourceWithLinkSection`
- `NMAVenue3dSimulatedPositionSource` `initWithRouteSection`
- `NMAVenue3dSimulatedPositionSource` `initWithLinkSection`
- `NMAVenue3dSimulatedPositionSource` `navigationState`
- `NMAVenue3dSimulatedPositionSource` `paused`
- `NMAAdasisV2EngineDelegate`
- `NMAElectronicHorizonDelegate`
- `NMAAdasisV2Engine`
- `NMAAdasisV2MessageConfiguration`
- `NMAEHLLink`
- `NMAEHLLinkInformation`
- `NMAEHLLinkRange`
- `NMAEHMapAccessor`
- `NMAEHMetaData`
- `NMAEHPathTree`
- `NMAEHPathTreeRange`
- `NMAEHPosition`
- `NMAEHSlopeDataPoint`
- `NMAElectronicHorizon`

Deprecated

- `NMANavigationManager` `timeToArrivalWithTraffic`

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 v3.6 Developer's Guide.pdf	HERE iOS SDK Developer's Guide
HERE iOS SDK Premium Edition v3.6 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/docs/Indoor Positioning v3.2 Installation Guide.pdf	Instructions on how to set up Indoor 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 16 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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Mesa 3-D graphics library
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=== malloc_count ===

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Portions of code from:

MODP_ASCII - Ascii transformations (upper/lower, etc)

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=== Snappy 1.1.2 ===

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=== Squish 1.11 ==

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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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