



# HERE iOS SDK

## Release Notes

Premium Edition Version 3.12

# Important Information

## Notices

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**Topics:**

This section contains document notices.

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

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Version:	Premium Edition Version 3.12

### Document

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# Chapter 1

## Overview

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### 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

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

- Exposed information about traffic signs on a route through HERE SDK
- Implemented route importer as a feature which provides an opportunity to create a custom route object from the route shape, particularly from a list of geo-coordinates (lat, lon)
- Truck navigation is aligned with routing truck restrictions, and current behavior takes into account truck restriction options PENALIZE\_VIOLATIONS. The route is calculated properly, but the user gets a warning that it could be fined
- POI icons are now easily tappable
- Implemented possibility to set the map center before map engine initialization. Previously map was always launched in Berlin, and as a result additional unnecessary map data were requested
- Added support for new iPad Air 3 and iPad Mini 5 (released on March 18)

## Chapter 2

# Changes

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### 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

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

### HERE SDK 3.12

- Exposed information about traffic signs on a route through HERE SDK
- Implemented route importer as a feature which provides an opportunity to create a custom route object from the route shape, particularly from a list of geo-coordinates (lat, lon)
- Truck navigation is aligned with routing truck restrictions, and current behavior takes into account truck restriction options PENALIZE\_VIOLATIONS. The route is calculated properly, but the user gets a warning that it could be fined
- POI icons are now easily tappable
- Implemented possibility to set the map center before map engine initialization. Previously map was always launched in Berlin, and as a result additional unnecessary map data were requested
- Added support for new iPad Air 3 and iPad Mini 5 (released on March 18)
- Improved determination of waypoint position, now waypoints are defined by position and street name
- Implemented caching mechanism for bitmap-based render tiles on low zoom levels
- Navigation Manager was extended to get indoor position during navigation. Now NavigationManager gets updates from all sources that provide switchover between indoor and outdoor navigation
- Map Matcher mechanism has been significantly improved. Main improvements were focused on 4 aggregated cases – corner jumps, rounded corner jumps, parallel roads and tunnels. This feature will be available in HERE SDK as beta feature
- Now Map Data Prefetcher can be used without Map View initialization

## Functional and Behavioral Changes

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There are no functional or behavioral changes 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

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

**Table 1: Resolved Issues**

#	Description
1	Fixed issue with constant recalculation of a route while in guidance mode.
2	Fixed issue with improper rendering of truck restriction icons.
3	Improved fallback mechanism when relaxed truck restrictions mode is used.
4	Fixed issue with route calculation and truck restriction penalty.

#	Description
5	Fixed satellite attribution text missing issue.
6	Fixed issue with no results when route is calculated offline.
7	Fixed map drag gesture issue.
8	Fixed wrong results issue when checking for map updates.
9	Fixed issue with too early update of route traveled part.
10	Fixed issue when transform center is reset during rotation.
11	Fixed race condition during simultaneous MapSnapshot requests.

## API Changes

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### Added

- `NMAApplicationContext` `setMapCenter`
- `NMAApplicationContext` `enableEnhancedMapMatcher`
- `NMACoreRouter` `calculateRouteWithPoints`
- `NMAGeoBoundingBox` `areaSize`
- `NMAMapDataPrefetcher` `NMAPrefetchRequestError#NMAPrefetchRequestErrorRouteAreaTooBig`
- `NMAMapRoute` `textColor`
- `NMAMapRoute` `textOutlineColor`
- `NMAMapView` `didTapOnSafetySpot`
- `NMARoadElement` `trafficSignsOrError`
- `NMATrafficSign` class
- `NMAVenue3dContent` `categoryId`
- `NMAVenue3dContent` `uniqueId`
- `NMAWaypoint` `setStreetNameHint`

### Deprecated

- `NMAPlaces.NMAPlacesSourceVenuesAll`
- `NMAPlaces.NMAPlacesSourceVenuesVenue`
- `NMAPlaces.NMAPlacesSourceVenuesContent`
- `NMAPlaces.NMAPlacesSourceVenuesDestination`
- `NMAPlaces.NMAPlacesSourceBuilding`

### Removed

- `NMAMapView.NMAMapLayerCategory#NMAMapLayerCategoryLandParcel`
- `NMAVenue3dMapLayer.venueZoomDelegate`
- `NMAVenue3dMapLayer` `addVenueZoomListener`
- `NMAVenue3dMapLayer` `removeVenueZoomListener`
- `NMAVenue3dMapLayer` `enableVenueZoom`
- `NMAVenue3dMapLayer` `isVenueZoomEnabled`

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

## Known Issues

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- `NMACompositeView` - The camera view may become distorted when the device orientation switched 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

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There are no known limitations and workarounds in this release.

# Chapter 3

## Package Information

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**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

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<b>Native APIs</b>	Enabling native applications to leverage HERE functionality
<b>Documentation</b>	API Reference Documentation and Developer Guide
<b>Sample Applications</b>	Sample applications in Objective-C and Swift

## Package Description


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/sample-apps	Sample applications to be used with the Quick Start section in the Developer's Guide
/user-guide/HERE iOS SDK Premium Edition v3.12 Developer's Guide.pdf	HERE iOS SDK Developer's Guide
HERE iOS SDK Premium Edition v3.12 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_3.12.zip	HERE iOS SDK API reference

## Getting Started

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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

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**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

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- HERE SDK supports iOS 11 or above. iOS 12 is recommended for optimal operation.
- HERE iOS SDK is designed and tested for use with 64-bit iOS phones and tablets. Supported devices are:
  - 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.
- A minimum of 120MB per application should be made available for the storage of HERE SDK libraries.
- A minimum of 100MB should be made available for the storage of map data.
- Data connectivity (Wi-Fi or Cellular) is required to download map data and ensure map data is updated when new versions are made available.

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```

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```
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```

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```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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- b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
- c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
- d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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