



# HERE iOS SDK

## Release Notes

Premium Edition Version 3.11

# Important Information

## Notices

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**Topics:**

This section contains document notices.

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

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### 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:

- Introduced new matching logic for waypoints
- Implemented Turn-by-Turn guidance for truck routes
- Decreased map data usage when Traffic is on
- Implemented avoidance of odd/even and time-dependent environmental zones
- For a list of all new features in this release, see [New Features](#) on page 9

## 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 3.11

- Implemented Turn-by-Turn guidance for truck routes in online and offline modes
- Enhanced difficult turns avoidance for trucks by excluding sharp turns from a route
- Implemented avoidance of odd/even and time-dependent environmental zones
- Added possibility to specify padding around the edges of the map. The map will continue to fill the entire container but object positioning, map transformation, and camera movements will behave as if it has been placed in a smaller space
- Introduced fuzzy matching logic that allows the creation of an optimal route that passes over a waypoint within the specified radius. This might be useful when a waypoint is only known approximately (e.g. Drag-and-drop, estimated coordinates)
- Introduced junction snapping logic that allows moving a waypoint onto the junction within the specified radius. It allows eliminating short maneuvers, e.g. "Turn left and follow for 3m"
- Introduced selective matching logic that allows moving a waypoint to a segment that is visible on the lowest zoom level within the specified radius. Selective matching behavior is useful for Drag-and-drop and snapping to more important streets
- Added new API that allows customizing text color for maneuver enumeration

## Functional and Behavioral Changes

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

**Table 1: Functional and Behavioral Changes**

#	Description
1	Default radius for traffic requests was decreased to 5km (previous 10km).

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 2: Resolved Issues**

#	Description
1	Fixed crash on zoom when traffic is enabled.
2	Fixed crash in gesture engine.

#	Description
3	Fixed issue with Lane information shown in the wrong way.
4	Improved performance on map gestures when raster tiles are used.
5	Fixed issue with show content field in search results.
6	Fixed issue with disabling of roadsignIcon layer when Map route is added.
7	Fixed issue with visibility of venue position indicator through floors.
8	Fixed issue with partially installed voice instructions.
9	Fixed wrong language issue in signposts label information.
10	Fixed issue with strange routes in offline mode.
11	Fixed strange polyline behavior with set altitude values.
12	Fixed Graph Disconnected issue when via point has the wrong direction.
13	Fixed Graph Disconnected error in offline routing.
14	Fixed issue with very small positioning indicator when zooming in.
15	Fixed strange floating effect with default positioning indicator.
16	Fixed crash when enabling memory diagnostic tools.

## API Changes

### Added

- `NMADiscoveryRequest` `addContent`
- `NMAMapPackage.NMAMapDataGroup` `NMAMapDataGroupScooterAttributes`
- `NMAMapRoute` `maneuverNumberColor`
- `NMAMapView` `availableMapSchemes`
- `NMAMapView` `padding`
- `NMAPositioningManager.NMAMapMatchMode` `NMAMapMatchModeScooter`
- `NMAPositioningManager.NMAMapMatchMode` `NMAMapMatchModeTruck`
- `NMARoute` `routingZones`
- `NMARoutingMode` `excludeRoutingZones`
- `NMARoutingMode` `licensePlateLastCharacter`
- `NMARoutingMode` `languagePreference`
- `NMARoutingZone` class
- `NMAWaypoint` `fuzzyMatchingRadius`
- `NMAWaypoint` `junctionSnappingRadius`
- `NMAWaypoint` `selectiveMatchingRadius`
- `NMAVenue3dNavigationManager` `venue`

### Deprecated

- No deprecated API in this release

## Removed

- `NMAVenue3dController` `getNormalGeoCoordinatesFromScaled`
- `NMAVenue3dController` `getScaledGeoCoordinatesFromNormal`
- `NMAVenue3dController` `venueZoom`
- `NMAVenue3dController` `venueZoomInUse`
- `NMAVenue3dGestureHandler` class

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 v3.11 Developer's Guide.pdf	HERE iOS SDK Developer's Guide
HERE iOS SDK Premium Edition v3.11 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_3.11.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 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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=== ICU 1.8.1+ ===

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=== LZ4 r126 ===

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=== malloc\_count ===

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=== MiniZip 1.1 ===

MiniZip -

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Credits

Gilles Vollant - Original MiniZip author  
Even Rouault - ZIP64 unzip Support  
Daniel Borca - BZip Compression method support in unzip  
Mathias Svensson - ZIP64 zip support  
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=== OpenSSL 1.0.2.p ===

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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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Original code by Lee Thomason (www.grinninglizard.com)

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