

iOS 11.2 beta Release Notes

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About iOS 11.2 beta

The iOS 11.2 SDK provides support for developing iOS apps for iPhone, iPad, or iPod Touch devices running iOS 11.2. The SDK comes bundled with Xcode 9.2 Seed available from <https://developer.apple.com/download/>.

For information on the new APIs in iOS 11.2, see [What's New in iOS](#).

For information on the compatibility requirements for Xcode 9.2, see the Release Notes available from <https://developer.apple.com/download/>.

Bug Reporting

For issues not mentioned in [Notes and Known Issues](#), file bugs through the Apple Developer website <https://developer.apple.com/bug-reporting/>.

When filing a bug, please include the full version number in the bug title and in the description. This looks like "11.2 (15Cxxxxx)." You can find the full version number in Settings > General > About > Version.

Technical Support and Learning Resources

Apple provides the following resources to support your development:

- Developer documentation is available both on <https://developer.apple.com/documentation> and from Xcode by choosing Help > Developer Documentation.
- [Apple Developer Forums](#). Participate in discussions about developing for Apple platforms and using developer tools.
- [iOS 11.2 Developer Forum](#). Participate in discussions about developing for iOS 11 and issues with the SDK.
- [iCloud for Developers](#). Find information about developing for iCloud.
- [iOS homepage](#). Get high-level information about the latest release of iOS. Download current and beta iOS releases.
- For help with using Xcode, Simulator, or Instruments, choose Help > *app name* Help.

Notes and Known Issues

General

Known Issues

- After using an iPhone with an iPhone dock, using a charger without the dock requires restarting the phone.

ARKit

Known Issues

- Continuing from a breakpoint while debugging an `ARSession` may result in VIO breaking. Any visual objects placed in the world/anchor are not visible. (31561202)

AVFoundation

Known Issues

- When using the TrueDepth front-facing camera on iPhone X, setting the capture device's `activeFormat` to a binned video format (see `AVCaptureDeviceFormat.isVideoBinned`) for capture and enabling delivery of camera calibration data causes the resulting `AVCameraCalibrationData` to contain invalid information for the `intrinsicMatrix` property. (34200225)

Workaround: Select an alternate capture format whose `isVideoBinned` property is false.

Note: Configuring a capture session using a session preset never selects binned formats.

EventKit

Known Issues

- Initializing an `EKCalendarChooser` from EventKit can result in an app crash. (34608102)
- Storing data to a nondefault event store in EventKit may not work. (31335830)

Foundation

Known Issues

- Clients of `NSURLSessionStreamTask` that use a non-secure connection fail to connect when an error occurs during PAC file evaluation and the system is configured for either Web Proxy Auto Discovery (WPAD) or Proxy Automatic Configuration (PAC). A PAC evaluation failure can occur when the PAC file contains invalid JavaScript or the HTTP host serving the PAC file is unreachable. (33609198)

Workaround: Use `startSecureConnection` to establish a secure connection.

Photos UI API Extensions

Known Issues

- In iOS 11.2 beta 1 or later, the user interface of a photo editing extension is no longer limited to the safe area. Apple recommends following the [Human Interface Guidelines](#) for content insets. (34189209)

Podcasts

Known Issues

- Playing a Podcast with chapter markers may cause the Podcasts app to crash. (35117025)

Workaround: Ask Siri to play a Podcast without chapter markers.

ReplayKit

Known Issues

- For a broadcast extension that a user starts from within an app, the value for the `RPVideoSampleOrientationKey` of the `CMSampleBufferRef` of type `RPSampleBufferType` is always portrait. Starting the broadcast extension from the Control Center returns the correct value. (34559925)

UIKit

Resolved Issues

- Displaying a page control in `UIPageViewController` on an iPhone X no longer overlaps the home indicator at the bottom of the screen. (34478195)

Vision

Resolved Issues

- Using a model that outputs an image with `VNCoreMLRequest` now works correctly. (34023914)
- `VNHomographicImageRegistrationRequest` and `VNDetectBarcodesRequest` now work correctly with images when using a request handler based on a URL. (34919881)

Known Issues

- `VNFaceLandmarkRegion2D` is currently unavailable in Swift. (33191123)
- Facial landmarks identified by the Vision framework may flicker in temporal use cases such as video. (32406440)

Xcode

Known Issues

- Debugging a disabled Messages extension may cause the Messages app to crash. (33657938)

Workaround: Enable the extension before starting the debug session.

- After a simulated iOS device starts up, it's not possible to pull down the Lock screen. (33274699)

Workaround: Lock and unlock the simulated device and then reopen Home screen.