

iOS 11.2 beta 4 Release Notes

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About iOS 11.2 beta 4

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.

New in iOS 11.2

Introductory Pricing for Auto-Renewable Subscriptions

Soon, you'll be able to offer new customers a discounted introductory price for your auto-renewable subscriptions on the App Store. iOS 11.2 introduces new classes (`SKProductDiscount` and `SKProductSubscriptionPeriod`) and new properties on `SKProduct` (`subscriptionPeriod` and `introductoryPrice`) to provide details on the introductory pricing and billing period you've selected for your auto-renewable subscriptions. You can use these new API additions to localize and display information about introductory pricing to your users. You'll be able to configure introductory pricing on your in-app purchase page in iTunes Connect soon.

Notes and Known Issues

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

Resolved Issues

- `AVCameraCalibrationData` now contains correct information for the `intrinsicMatrix` property when using the TrueDepth camera on iPhone X. (34200225)

EventKit

Resolved Issues

- Initializing an `EKCalendarChooser` from EventKit no longer result in an app crash. (34608102)

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

Resolved Issues

- Playing a podcast with chapter markers no longer results in Podcast crashing. (35117025)

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 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 Messages 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.