# iOS 11.2 beta 5 Release Notes


 Developer

# About iOS 11.2 beta 5

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 <u>Human Interface Guidelines</u> 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.