

# iOS 12 beta Release Notes

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# About iOS 12 beta

The iOS 12 SDK provides support for developing iOS apps for iPhone, iPad, or iPod touch devices running iOS 12. The SDK comes bundled with Xcode 10 available from the Apple Developer Program download page.

For information on the compatibility requirements for Xcode 10, see the Release Notes on the Xcode download page.

## 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 "12 (16Axxxx)." 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 12 Developer Forum](#). Participate in discussions about developing for iOS 12 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

### New Issues

- The “Maps Nearby” widget buttons don't launch the Maps app. (40099072)
- Opening an iWork document via AirDrop or Files app might cause the device to become unresponsive. (40338520, 40694399)  
**Workaround:** Reboot the device.
- Time Zones might not update automatically. (40499996)  
**Workaround:** Set the Time Zone manually using Date & Time in Settings > General.
- When deploying apps to iOS 11 or earlier, JPEG image assets are not included in the compiled `.car` file. (40507731)
- Universal Links might not open the expected target app. Please submit a bug report if you experience this problem. (40568385)

## 3rd Party Apps

### New Issues

- Skype might unexpectedly quit after logging in. (39666451)
- Some EA games (Real Racing 3, Sims 3 Free Play) might unexpectedly quit on launch. (39847417)
- Some users might be unable to log in to or view account information in the Bank of America app. (39975169)
- Citi Mobile might unexpectedly quit on launch. (40205739)

## Accessibility

### New Issues

- Platform Switching for Switch Control is unavailable in iOS 12 beta. (40035312)
- Sysdiagnose initiation via the Analytics menu item in AssistiveTouch and Switch Control is currently unavailable. (40504710)
- Newly-created calendar events might be unavailable to VoiceOver. (40555552)

## Activity

### New Issues

- The route map for a workout might be unavailable. (40008565)

## App Store

### New Issues

- Signing into a previously-used sandbox account during the In-App Purchase flow might produce unexpected results. (40639792)

**Workaround:** Sign in using the Settings > App Store > Sandbox Account menu.

## Apple Pay

### New Issues

- When an Apple Pay payment sheet is presented in Safari on a Mac without Touch ID, you won't be able to confirm the payment if your iPhone or Apple Watch display is off. (40384791)

**Workaround:** Wake your iPhone or Apple Watch display before attempting the transaction.

## ARKit

### New Issues

- Certain USDZ models loaded in Safari might not render thumbnail images. (40252307)

## CallKit

### New Issues

- To enable CallKit extensions, it might be necessary to quit and relaunch Phone, Messages, or Settings apps. (39548788, 39885031)

## CarPlay

### New Issues

- Alarms are currently unavailable while using CarPlay. (39159434)

## CoreGraphics

### New Issues

- Various CoreGraphics calls have been hardened against continuing with invalid parameters. In iOS 12 beta, these calls may now return NULL or return early. (38344690)

## CoreML

### New Features

- Support for quantized models ( $\leq$  8-bit linear and/or lookup table)
- Support for flexible image sizes and multi-array shapes
- Batch prediction API
- Support for custom models
- Support for Create ML models (Vision Feature Print, Text Classifier, Word Tagger)

### New Issues

- When layers are quantized  $<8$ -bits or with a lookup-table, users may encounter issues in deconvolution and recurrent layers. (40632252)

**Workaround:** Use only linear 8-bit quantization on these layers.

- Models with flexible input sizes may unexpectedly reject an input using the default size displayed in Xcode's type field. (40632323)

**Workaround:** Supply a non-default size input on first prediction call.

## Keyboards

### New Issues

- While typing in certain apps, keyboard suggestions may overlap. (40231537)

**Workaround:** Close and re-open the app or document.

## Localization

### New Issues

- Certain languages may exhibit clipped or misaligned layout. (40420329)
- Certain languages may display unlocalized text. (40420422)

## MediaPlayer Framework

### New Issues

- When a `queueTransaction` is performed on `applicationQueuePlayer` to modify the position of a song, the queue returns unchanged. (39401344)
- A song cannot be added to a playlist using the `addItemWithProductID` API. (40508800)

## Model I/O

### New Issues

- In `.obj` models, the bump semantics in `.mtl` files don't map to `MDLMaterialSemanticTangentSpaceNormal`. (40665817)

**Workaround:** Use `MDLMaterialSemanticBump` instead.

## Networking

### New Features

- The `NSURLSession` HTTP/2 implementation has been updated to support HTTP/2 connection reuse per [RFC 7540 Section 9.1.1](#). This requires an HTTP/2 server to present a certificate which covers more than one server hostname. The certificate may use the Subject Alternative Name extension or wild-carded domain names. In addition, `NSURLSession` requires name resolution to resolve the different hostnames to the same IP address. `NSURLSession` may reuse HTTP/2 connections across different domain names when these conditions are satisfied. (37507838)

## Deprecations

- FTP and File URL schemes for Proxy Automatic Configuration (PAC) are deprecated. HTTP and HTTPS are the only supported URL schemes for PAC. This affects all PAC configurations including, but not limited to, configurations set via Settings, System Preferences, profiles, and URLSession APIs such as `URLSessionConfiguration.connectionProxyDictionary`, and `CFNetworkExecuteProxyAutoConfigurationURL()`. (37811761)

## Personal Hotspot

### New Issues

- Personal Hotspot might be unavailable. (40379017)

## Phone & FaceTime

### New Issues

- In iOS 12 beta, Group FaceTime is available only on iPhone 7 or later and is unavailable on iPad.
- In iOS 12 beta, Camera Effects in Messages is available only on iPhone SE and iPhone 6s or later and is unavailable on iPad. Camera Effects in FaceTime is available only on iPhone 7 or later and is unavailable on iPad.
- During a Group FaceTime call, the text overlay feature might remain invisible until the preview window is moved downward. (40395097)
- Attempting to add an additional participant to a FaceTime call with many participants might not succeed. (40433480)
- During a FaceTime call, iPad Pro (10.5-inch), iPad Pro (12.9-inch) (2nd generation), and iPad (6th generation) don't send video to the receiving device. (40725406)
- Wi-Fi calls might end unexpectedly when transitioning from Wi-Fi to cellular while on the T-Mobile network. (39251828)
- Voicemail notifications might be inconsistent and not appear when the device is locked. (39826861)
- The Calls on Other Devices using your carrier account feature is unavailable on iOS 12 beta. (40180205)
- Users might be unable to configure Call Forwarding. (40362744)
- Wi-Fi Calling might be disabled after updating to iOS 12 beta. (40467667)  
**Workaround:** Switch Wi-Fi Calling back to On in Settings > Phone.
- Apple Watch Series 3 (GPS + Cellular) customers using the Bell network in Canada might experience an error message when attempting to sign up for a cellular plan or when attempting to access 'Manage Bell Account'. (40556479)

## Photos

### New Issues

- Search results might be unavailable when using languages other than English. (39781553)

## ReplayKit

### New Issues

- There is no default icon for `RPBroadcastPickerView`. (38813581)  
**Workaround:** Add an image or label as a subview to `RPBroadcastPickerView`.
- Broadcasting will be enabled in a future release. (40342264)

## Safari & WebKit

### New Issues

- Rotating the device while viewing a PDF in Safari might prevent the PDF from scrolling or maximizing layout width. (39794462)
- Viewing Wallet passes in `SFSafariViewController` might be unavailable. (40415649)  
**Workaround:** View the pass in Safari.

## Screen Time

### New Issues

- App usage data isn't removed after an app has been deleted. (39428587)
- Screen Time settings don't sync between devices; however, usage data is synced. (39660477)
- Usage breakdown by app is unavailable in iOS 12 beta. (39697268)
- "Picked Up Phone" statistics might be inflated due to data syncing from other devices signed into the same iCloud account. (39917173)
- Screen Time website usage for a child won't be displayed on the parent's device, but might be read on the child's device. (40218447)
- The default Always Allowed apps won't be allowed in Downtime until after tapping Settings > Screen Time > Always Allowed to refresh the list of apps. (40320173)
- Users might receive multiple Screen Time Weekly Report notifications. (40401895)
- Apps and Websites might be disabled even after Screen Time is disabled. (40656766)  
**Workaround:** Click the Ignore Limit button and Select Remind Me or Ignore.
- Modifying Time for an App Limit overwrites customized days without warning. (40668188)
- Use only numbers when creating a Screen Time passcode or it might become impossible to enter the passcode. (40671666)



- Some child iCloud accounts might not report usage data back to the parent's device. (40749009)

## Siri

### New Issues

- Siri might produce unexpected responses to "Where is my..." queries. (39531873)
- Messages might not launch when tapping on message content. (39941268)  
**Workaround:** Exit Siri and launch Messages.
- Adding shortcuts to Siri might fail for shortcuts with images in PDF format. (40395673)  
**Workaround:** Use another image format.
- In Swift, the `shortcut` property of `INVoiceShortcut` must be accessed as `__shortcut`. (40418400)
- Assigning a value to a parameter which begins with a capital letter throws `NSUnknownKeyException`. (40464710)  
**Workaround:** Start the parameter name with a lowercase letter.
- When performing a shortcut in Siri, custom responses won't be included in the confirmation dialog text which Siri reads. (40562557)
- Siri Suggestions for Shortcuts are enabled on iPhone 6s or later, iPad Pro, iPad (5th generation or later), iPad Air 2, and iPad mini 4. (40669231)

## UIKit

### New Issues

- Presenting a `UIImagePickerController` might cause the app to be terminated with a privacy violation if the app does not include the `NSMicrophoneUsageDescription` key in its `Info.plist`. (40490417)  
**Workaround:** Add the `NSMicrophoneUsageDescription` key to the application's `Info.plist`.

## USB Accessories

### New Features

- To improve security, iOS 12 beta may require you unlock your passcode-protected iPhone, iPad, or iPod touch in order to connect it to a Mac, PC, or USB accessory.
- If you use iPod Accessory Protocol (iAP) USB accessories over the Lightning connector (such as CarPlay, assistive devices, charging accessories, or storage carts) or you connect to a Mac or PC you might need to unlock your device to recognize the accessory. If you don't unlock your device, it won't communicate with the accessory or computer, and it won't charge. Note that you don't need to unlock your device to charge using an Apple USB power adapter.
- If a USB accessory isn't recognized after you unlock your device, disconnect it, unlock your device, and reconnect the accessory.

- If you normally use a USB assistive device to enter your passcode, you may allow it to communicate with your device while it is locked by enabling “USB Accessories” in Settings > Face ID/Touch ID & Passcode.

## Voice Memos

### New Issues

- Voice Memos don't sync to iTunes. (40346169)