iOS 12 beta 2 Release Notes

About iOS 12 beta 2

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 Weather widget isn't functional in iOS 12 beta 2. (41096139)

- Updating from iOS 10.2 and earlier to iOS 12 beta 2 via iTunes is not supported. (41215257)

  Workaround: Update your device OTA to iOS 12 beta 2. Or, first update your device to iOS 11.4 via iTunes or OTA, then use iTunes to update to iOS 12 beta 2.

Resolved 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)

- Time Zones might not update automatically. (40499996)

- When deploying apps to iOS 11 or earlier, JPEG image assets are not included in the compiled `.car` file. (40507731)

- Vibration alerts on iPhone 6s and iPhone 6s Plus might be unexpectedly loud. (40524982)

Known Issues

- 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

- Netflix might unexpectedly quit when downloading a video. (40653033)

- Twitter might display a blank login screen. (40910390)

- Taobao might unexpectedly quit on launch. (40958373)

Resolved Issues

- 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)

Known Issues

- Skype might unexpectedly quit after logging in. (39666451)

Accessibility

New Issues

- Notification action buttons might become illegible when Increase Contrast settings are enabled. (41050794)

Resolved 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

Known Issues

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

AirPods

New Issues

- Playback might not pause when only one of the AirPods is removed from your ears. (40824029)

App Store

Resolved Issues

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

Apple Pay

Resolved 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)

ARKit

Known Issues

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

CallKit

New Issues

- SMS and Phone Call spam classification extensions don't load and display a black screen. (41018290)

Known Issues

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

CarPlay

- CarPlay might not connect to certain vehicles. (40494430)

Resolved Issues

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

CoreGraphics

Known 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 (≤ 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)

Known 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.

HomeKit

New Issues

- Inviting iOS 11 users who have multiple email addresses associated with their Apple ID to a home might not succeed. (41033550)

  Workaround: Send the invitation to a different email address or phone number associated with the Apple ID of the iOS 11 user.

iWork

New Issues

- The navigation button isn't present in the Share Options sheet while using the Add People feature. (40368764)

Keyboards

Resolved Issues

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

Localization

Known Issues

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

MediaPlayer Framework

Known 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

Resolved Issues

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

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

Resolved Issues

- Personal Hotspot might be unavailable. (40379017)

Phone & FaceTime

New Issues

- Group FaceTime calls cannot be initiated between iOS 12 beta 2 and the first iOS 12 beta release. (39873802)

  Workaround: Users should update to iOS 12 beta 2.

- Automatic enlargement of the speaker's tile during a Group FaceTime call is not enabled while using external headphones. (40615683)

  Workaround: Use the built-in speaker of your iOS device.

- If a user attempts to enable a SIM PIN the iOS device will lose cellular service. (40958280)

  Workaround: Restart the iOS device or remove and reinsert the SIM Card.

- Some FaceTime video calls might be interrupted by a 'poor connection' message. (41033989)

  Workaround: Disconnect the call and try reconnecting.

- FaceTime might unexpectedly quit on launch. (41189126)

  Workaround: Use Siri to place a FaceTime call.

Resolved Issues

- 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)

- 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)

- Wi-Fi Calling might be disabled after updating to iOS 12 beta. (40467667)

- 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)

- 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, 40873560)

Known Issues

- iPod touch (6th generation), iPhone 5s, iPhone 6, iPhone 6 Plus, iPad mini 2, iPad mini 3, and iPad Air support only audio (no video) during Group FaceTime calls in iOS 12 beta.

- 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.

- 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)

Photos

Resolved Issues

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

ReplayKit

Resolved Issues

- There is no default icon for `RPBroadcastPickerView`. (38813581)

Known Issues

- Broadcasting will be enabled in a future release. (40342264)

Safari & WebKit

Resolved Issues

- Rotating the device while viewing a PDF in Safari might prevent the PDF from scrolling or maximizing layout width. (39794462)

Known Issues

- Viewing Wallet passes in `SFSafariViewController` might be unavailable. (40415649)

  Workaround: View the pass in Safari.

Screen Time

New Issues

- **Important:** All Screen Time settings will be reset after updating to iOS 12 beta 2. Users must reactivate and reconfigure Screen Time to continue using this feature.

- When Family Sharing is enabled for an iCloud account, only family members designated Parent/Guardian may disable Screen Time on their device.

- To enable a Restrictions Passcode on a Child device where the Child has enabled Screen Time, the Parent/Guardian must first disable Screen Time on the Child device and reenable Screen Time from the Parent/Guardian device.

- If a Child account wishes not to share Screen Time usage with Parent/Guardian accounts, they should either become a Parent/Guardian or leave the iCloud family. (40675329)

- When 'Ask For More' is enabled on a Child device, entering the passcode on the Child device to approve more time still results in a prompt on the Parent/Guardian device.

- When 'Ask For More' is not enabled on a Child device, tapping 'Ignore Limit' prompts for the Screen Time passcode. (41060009)

Resolved 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)

- Users might receive multiple Screen Time Weekly Report notifications. (40401895)

- Apps and Websites might be disabled even after Screen Time is disabled. (40656766)

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

Known Issues

- "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 can 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)

- 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)

Siri

New Issues

- Shortcuts donated with images created using the `+[INImage imageWithURL:]` API won't display an image. (40623457)

    Workaround: Use `+[INImage imageWithImageData:]`

- When recording a custom Shortcuts phrase, the user might not be able to tap Done to save the Shortcut. (40862775)

- When a user connects a playback device such as headphones, the Media Player UI might not display artwork. (40989415)

    Workaround: Shortcuts developers may verify their images using the Developer switch in Settings > Developer > Display Recent Shortcuts.

- When Siri's language is set to Chinese, Japanese, or Korean it isn't possible to set up "Hey Siri". (41188020)

    Workaround: Set up Hey Siri before updating to iOS 12 beta 2, or set up Hey Siri using a different device signed into the same iCloud account.

Resolved Issues

- Siri might produce unexpected responses to "Where is my…" queries. (39531873)

- Assigning a value to a parameter which begins with a capital letter throws `NSUnknownKeyException`. (40464710)

- When performing a shortcut in Siri, custom responses won't be included in the confirmation dialog text which Siri reads. (40562557)

Known Issues

- 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)

- 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

Resolved 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)

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 might not sync between devices even when enabled via Settings > iCloud > iCloud Drive > Voice Memos. (39701488)

Known Issues

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