iOS 14

iOS 14 is the fourteenth and current major release of the iOS mobile operating system developed by Apple Inc. for their iPhone and iPod Touch lines. Announced at the company's Worldwide Developers Conference on June 22, 2020 as the successor to iOS 13. iOS 14 was released on September 16, 2020.[6][7]

iOS 14

A version of the iOS operating system

Screenshot of iOS 14 beta using a light-on-dark color scheme, featuring the redesigned widgets on the Home screen.

Developer	Apple Inc.
Source model	Closed, with open-source components
General availability	September 16, 2020[1]

Contents

History

Updates

The first developer beta for iOS 14 was made available on June 22, 2020, and the first public beta was made available on July 9, 2020.[8] iOS 14 was released to the public on September 16, 2020.[6]

Version	Build	Release date	Notes
14.0	18A373	September 16, 2020	Initial release
14.2 beta	18B5052h	September 17, 2020	

Legend: ☐ Past ☐ **Current** ☐ Beta

System features

App Clips

App Clips are a new feature expanding on the functionality of the App Store. Intended as a dynamic feature rather than a permanently installed app, App Clips are extremely pared-back with very few OS permissions. At the time of announcement, only the use of Apple Pay and Sign in with Apple were shown.

App Clips may be discovered in person via NFC tags or QR codes with App Clips branding. They may also be shared via Messages, or placed on websites or Maps.

CarPlay

CarPlay was updated to allow users to set a built-in wallpaper. Route management was extended with features alerting the user to available stops, such as parking and food ordering. Additionally, route planning for electric vehicles now considers the location of charging stations.

Car keys

Car keys allow an iPhone to act as a virtual car key using NFC technology with compatible cars. The first compatible car showcased by Apple at the WWDC

Latest release	14.0[2] (18A373)[3] (September 16, 2020) [±] (https://en.wikipedia.org/w/index.php?title=Template:Latest_stable_software_release/iOS_14&action=edit)
Latest preview	14.2 beta[4] (18B5052h)[5] (September 17, 2020) [±] (https://en.wikipedia.org/w/index.php?title=Template:Latest_preview_software_release/iOS_14&action=edit)
Platforms	**iPhone** iPhone 6S iPhone 6S Plus iPhone SE (1st generation) iPhone 7 iPhone 7 Plus iPhone 8 iPhone 8 Plus iPhone X iPhone XS iPhone XS Max iPhone XR iPhone 11 iPhone 11 Pro iPhone 11 Pro Max iPhone SE (2nd generation) **iPod Touch** iPod Touch (7th generation)
Kernel type	Hybrid (XNU)
Default user interface	Cocoa Touch (multi-touch, GUI)
License	Proprietary software with open-source components

2020 was the 2021 BMW 5 Series. Keys are accessible from the Wallet app. Keys may be shared; sharing may be temporary or given restrictions. In the event the iPhone dies, car keys can still be accessed via the power reserve of the iPhone for about five hours.[9] Car keys require an iPhone released in 2018 or later.[10]

Preceded by	iOS 13
Official website	www.apple.com/ios/ios-14/ (https://www.apple.com/ios/ios-14/)
Support status	
Supported	
Articles in the series	
iPadOS 14 (iPadOS version derived from iOS 14)	

Home screen

Unlike previous versions, in which icons on the home screen were rearranged in order and corresponded directly to apps, users may add app icons and newly-introduced app widgets; pages may be added or deleted at will. This allows users to hide infrequently-used apps and avoid clutter.

Widgets

To the left of the first page, the Today View is replaced by a scrollable widget UI. Widgets may be placed on the home screen to sit amongst app icons[11]; they may be resized to two-by-two, horizontal two-by-four, or four-by-four icons. Widgets of the same size may be stacked over each other and swiped between for convenience; a Smart Stack may be placed which automatically shows the most relevant widget to the user based on the time of day.[12]

App Library

To the right of the last page, the App Library lists and categorizes apps installed on the device. Apps within each category are arranged based on the frequency of their usage. In addition to a category for suggested apps, a "recent" category lists apps recently installed alongside App Clips recently accessed. Users can search for the app they want or browse them in alphabetical order.[11]

Compact UI

A series of changes were made in iOS 14 to reduce the visual space taken by previously full-screen interfaces; such interfaces now appear and hover in front of an app, allowing for touch (and therefore multitasking) on the app behind. Voice calling interfaces, including Phone, or other third-party apps such as Skype, are made substantially thinner,[12] taking approximately as much space as a notification. Siri's interface is now also compact.

Picture-in-picture allows users to continue watching video playback (or take voice calls, such as with FaceTime) in a thumbnail-sized view after leaving the app. This view may be resized with pinch gestures, or moved off-screen temporarily and re-summoned for multitasking. Picture-in-picture is currently supported by Safari and FaceTime. However, the YouTube app does not support it. Users can use picture-in-picture on the YouTube website in Safari.

Search and Siri

Improvements to the Search feature on the home screen were made, including a refined UI, quick launcher for apps, more detailed web search, shortcuts to in-app search, and improved as-you-type search suggestions.[11]

While made compact so that content below is visible, Siri's interface does not allow for simultaneous multitasking, as designers felt it unclear how the interface would then be dismissed.[13] Siri can now answer a broader set of questions and translate more languages. Users can also share their ETA with contacts and ask for cycling directions.[14]

Privacy

Privacy information can now be seen on the App Store so users can understand what permissions an app has before they download it. Users may change location permissions to inform the app of an approximate location, preserving privacy when exact location is unnecessary.[11]

A recording indicator appears at the top of the screen whenever an app uses the microphone or camera. Likewise, a notification appears when the clipboard is accessed by an app.[15]

During the iOS 14 announcement, Apple stated that with the launch of iOS 14, apps will not be able to exchange information by default. Apps will have to explicitly ask users for permission to track them across websites and apps.

Ad industry response and enforcement delay

Facebook announced that this transparency requirement will likely hurt the advertising targeting.[16] Furthermore, iOS 14 will require apps to ask users for access to "ID for Advertisers" (IDFA) before apps can access it. Facebook said that "despite [their] best efforts, [the changes] may render [their tracking] so ineffective on iOS 14 that it may not make sense to offer it on iOS 14" and Facebook apps on iOS 14, including Facebook, WhatsApp, Instagram, Messenger, and a host of others will no longer collect users' IDFA.[17][18] In early September, Apple announced that they would delay enforcement of the targeting changes until early 2021.[19]

Other features

- The Emoji keyboard was updated with a search bar for quick access. iOS 14 adds 20 new hair and head wear styles to Memoji and Animoji, including face mask options for Memoji.

- The user's email and browser apps – by default the stock Mail app and Safari – may now be changed.[20]

- On iPhones released in 2017 and later (iPhone 8 and 8 Plus, iPhone X), a new accessibility feature allows users to perform common tasks by double-tapping the back of the device via the phone's accelerometer (e.g. opening Control Center).

- Users with devices that do not automatically read NFC tags may add a shortcut on the Control Center to do so.

- iOS 14 introduces support for the VP9 codec, allowing playback of YouTube videos in 4K resolution.[21][22]

- In the Notes app, it is now easier to find notes using an improved "on-device intelligence."[11]

- The Weather app now shows minute-by-minute forecasts for the next hour in the United States. Apple now uses data from their recently acquired service Dark Sky instead of only The Weather Channel.[23][24]

- Apple Arcade now has direct Game Center integration.[25]

- The skeuomorphic paper texture in the Notes app has been removed.[26]

- The scroll wheel time picker has been replaced with a number pad input, and a smaller scroll wheel. [27]

- A new Accessibility feature, called Sound Recognition, allows iPhones to listen for predefined sounds and issue an alert whenever the specific audio is detected. This way an iPhone can detect fire, various sirens, animals, multiple household noises, and a baby that's crying or someone that's shouting. [28]

App features

Camera

The Camera app gained several new features. Features include:[11]

- The ability to mirror photos taken from the front camera.
- QR code reading enhancements.
- Exposure compensation control.
- Quick toggles in Video mode for all iPhones.
- QuickTake video on the (iPhone XR and iPhone XS/XS Max).
- Camera app gets redesigned on the iPhone XR and iPhone XS/XS Max.
- The ability to capture burst photos and QuickTake video with volume buttons on supported devices.
- An updated Night mode capture experience on the (iPhone 11 and iPhone 11 Pro/11 Pro Max).

Improvements were also made in shot-to-shot performance. Photos can be shot up to 90% faster, time to first shot is now up to 25% faster, and Portrait shot-to-shot is up to 15% faster.[29]

FaceTime

FaceTime now automatically adjusts the visual appearance of eyes to account for the camera being above where a caller's eyes are displayed, allowing for direct two-way eye contact, and 1080p FaceTime resolution.[11]

Home

The Home app received design changes to emphasize suggested accessories alongside those marked as favorite. In addition, a major set of automation capabilities were added for use with compatible HomeKit devices; this automation requires the presence of an iPad, HomePod or Apple TV to facilitate on-device processing.

Home security cameras may be instructed to only alert the user of activity if it occurs in a preselected activity zone. In addition, facial recognition performed in Photos app may be used to alert based on recognized people, with additional integration for use with smart doorbells.

Smart lighting products which support color temperatures may be instructed to match a preset color temperature setting. As the presence of blue light is a major zeitgeber – a factor which influences the perception of time with regards to circadian rhythm – this feature is designed to encourage activity in the day and calmness in the morning and evening.[14]

Messages

In the Messages app, users can now pin up to nine individual conversations above other message threads.

Group chats using iMessage may be given a custom image, a Memoji or an emoji. Users may now mention other users, and change notification settings to only be notified when explicitly mentioned.[11] Messages may be replied to with inline replies, allowing for simultaneous conversation threads and see the replies in the general conversation or as a separate thread.

Maps

Apple Maps will now give users access to cycling routes, providing information including elevation and stairs. It also provides users with multiple options, suggesting routes with less busy streets. Cycling directions will be available at launch in New York, Los Angeles, San Francisco, Shanghai, and Beijing.[30] Apple announced they will continue to roll out their enhanced maps detail to countries beyond the United States, including Canada, the United Kingdom and Ireland, and more in the future.

Apple also introduced EV routing, which allows users to take charging stations into account while planning their route and choose a route where they will be able to recharge when they need to. This feature requires integration with the car. Apple is currently working with Ford and BMW to implement this feature with their electric vehicles.

Curated guides for various places around the world have been added, which suggest where to eat, shop, and explore.

Safari

Safari, the default web browser in iOS, gained the ability to monitor passwords for data breaches and generate privacy reports for trackers on websites. Major improvements were made to JavaScript performance.[11]

A web page translation tool has been added to Safari in seven languages: English, Spanish, Simplified Chinese, French, German, Russian and Brazilian Portuguese. This feature is currently only available in the United States and Canada.

Translate

Introduced in iOS 14, the stock Translate app allows users to translate voice and text between 11 languages: English, Spanish, Mandarin Chinese, Japanese, Korean, Russian, German, French, Italian, Brazilian Portuguese, and Arabic. When rotated to landscape view, the app features an "attention mode," making it easier for someone to read a translation. It can be used during verbal conversations between speakers of different languages. The Translate app auto-detects what language is being spoken and converts it to your chosen default language.

Improvements made to translation are integrated with Siri, and pages may be translated inline in Safari.

Supported devices

All the devices that supported iOS 13 also support iOS 14.[11] The iPhone 6S, the iPhone 6S Plus and the first-generation iPhone SE are the oldest iPhone models with the ability to support iOS 14.

iPhone

- iPhone 6S
- iPhone 6S Plus
- iPhone SE (1st generation)
- iPhone 7
- iPhone 7 Plus
- iPhone 8
- iPhone 8 Plus
- iPhone X
- iPhone XS
- iPhone XS Max
- iPhone XR
- iPhone 11
- iPhone 11 Pro
- iPhone 11 Pro Max
- iPhone SE (2nd generation)

iPod Touch

- iPod Touch (7th generation)

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External links

- Official website (https://www.apple.com/ios/ios-14-preview/)