



watchOS

watchOS is the operating system of the Apple Watch, developed by Apple Inc. It is based on iOS, the operating system used by the iPhone, and has many similar features.^[6] It was released on April 24, 2015, along with the Apple Watch, the only device that runs watchOS. watchOS exposes an API called *WatchKit* for developer use.

The second version, watchOS 2, included support for native third-party apps and other improvements, and was released on September 21, 2015.^{[7][8][9]} The third version, watchOS 3, was released on September 13, 2016, to emphasize better performance and include new watch faces and stock apps. The fourth version, watchOS 4, was released on September 19, 2017. The fifth version, watchOS 5, was released on September 17, 2018,^[10] to add more third-party support and new workouts, along with the "Walkie-Talkie" feature.^[11] The sixth version, watchOS 6, was released on September 19, 2019.^[12] The seventh version, watchOS 7, was released on September 16, 2020, to support handwashing and sleep tracking.^{[13][14]} The eighth version, watchOS 8, was released on September 20, 2021, with updates in health monitoring, visuals, and apps.^[15] The ninth version, watchOS 9, was released on September 12, 2022. The tenth version, watchOS 10, was released on September 18, 2023.

Interface overview

The home screen, rendered by and also known as "Carousel",^[6] consists of circular application icons that can be zoomed in and out with the Digital Crown and launched by touching the display, allowing users to access their favorite apps.

Prior to watchOS 3, "Glances" offered quick access to summaries of the most frequently used native and third-party applications.^[16] The Glances view was opened with a swipe-up gesture from the watch face screen. In watchOS 3, Glances were replaced with a redesigned Control Center that mirrors the functionality seen in iOS, providing a more unified experience across Apple devices. The Control Center is accessed with a swipe-up gesture from the watch face screen. Additionally, the friends menu, previously activated with the side button, was repurposed as a dedicated dock for apps, enhancing multitasking and app management.

Prior to watchOS 7, different actions and options appeared depending on whether the user taps or deep-presses, which an Apple Watch detects with its pressure-sensitive (Force Touch) Display.^[17] Force Touch was completely removed in watchOS 7, and all actions requiring the feature were moved to specific options in the Settings app or to long-press actions.^[18] With the launch of watchOS 7, Force Touch technology was phased out. This feature was replaced by additional options in the Settings app and extended press gestures to accommodate all necessary interactions. This change streamlined the interaction model, making it more consistent with other Apple devices that do not support Force Touch.

As of watchOS 10, the interface has been further refined to enhance user accessibility and interaction. New customization features allow users to personalize their Carousel with greater ease, and improvements in app responsiveness and animation enrich the overall user experience. These updates demonstrate Apple's ongoing commitment to enhancing usability while maintaining the sleek, minimalist design that users appreciate.

Supported health metrics

Since its inception, watchOS has supported an increasing number and variety of health metrics for measurement and tracking. These include:

- heart rate
- maximal aerobic capacity, otherwise known as VO2 max (added in watchOS 4,^[19] enhanced in watchOS 7^{[20][21][22]})
- electrocardiogram, otherwise known as EKG or ECG (added in watchOS 5.1.2^[23])

watchOS

A customized watch face on watchOS 6

Developer	Apple Inc.
Written in	C · C++ · Objective-C · Swift · assembly language
OS family	Unix-like, iOS
Working state	Current
Source model	Closed, with open-source components
Initial release	April 24, 2015
Latest release	10.5 ^[1] (May 13, 2024) ^[±] (https://en.wikipedia.org/w/index.php?title=Template:Latest_stable_software_release/watchOS&action=edit)
Latest preview	11.0 beta 2 ^[2] (June 24, 2024) ^[±] (https://en.wikipedia.org/w/index.php?title=Template:Latest_preview_software_release/watchOS&action=edit) 10.6 beta ^[3] (June 17, 2024) ^[±] (https://en.wikipedia.org/w/index.php?title=Template:Latest_preview_software_release/watchOS&action=edit)
Marketing target	Smartwatch
Available in	45 languages ^{[4][5]}

- blood oxygen saturation, otherwise known as SpO2 (added in watchOS 7,^[20] unavailable on Apple Watch Series 9 and Ultra 2 units sold after January 15, 2024 for legal reasons)
- menstrual cycle status (added in watchOS 6^[24])
- sleep duration & respiratory rate tracking (added in watchOS 7^{[25][26]})

HealthKit

For several years, Apple has been developing its HealthKit product in an attempt to penetrate the lucrative healthcare and wellness industry, which CB Insights believe holds a huge growth opportunity for Apple.^[27] This was confirmed by Jony Ive, Apple's former chief designer, in an interview. He said that health was a crucial element in the Apple Watch since the day of its inception and that the developmental trajectory of the hardware and the watchOS were geared towards health-based capabilities.^[28] Ive pointed out that one of the primary apps that shipped with the first watchOS allowed users to track and communicate as well as encourage them to move, exercise, and stand. He said:

Many of us have our phones with us all the time, but they aren't connected to you. Imagine having something this powerful with you at all times, and what opportunities that might present to the user. The opportunity is phenomenal. Particularly when [you] don't understand just where we are today in terms of technology and capability, but where we are headed.^[28]

Applications have been developed for watchOS that not only keep users active but also diagnose illnesses. For example, the app called DeepHeart, a deep-learning network that can detect atrial fibrillation, hypertension, sleep apnea, and diabetes.^[29] It taps into the HealthKit platform to collect data, particularly those collected by the Apple Watch's heart sensor.^[30]

Version history

Overview of watchOS versions

Version	Initial release date	Latest version	Release date	Device end-of-life	
				Apple Watch	iPhone
<u>watchOS 1</u>	April 24, 2015	1.0.1	May 19, 2015	—	—
<u>watchOS 2</u>	September 21, 2015	2.2.2	July 18, 2016		
<u>watchOS 3</u>	September 13, 2016	3.2.3	July 19, 2017		<u>5</u> , <u>5C</u>
<u>watchOS 4</u>	September 19, 2017	4.3.2	July 9, 2018	<u>1st</u>	—
<u>watchOS 5</u>	September 17, 2018	5.3.9	November 5, 2020	—	<u>5S</u> , <u>6</u>
<u>watchOS 6</u>	September 19, 2019	6.3.0	December 14, 2020	<u>Series 1</u> , <u>Series 2</u>	—
<u>watchOS 7</u>	September 16, 2020	7.6.2	September 13, 2021	—	—
<u>watchOS 8</u>	September 20, 2021	8.8.1	June 21, 2023	<u>Series 3</u>	<u>6S</u> , <u>SE (1st)</u> , <u>7</u>
<u>watchOS 9</u>	September 12, 2022	9.6.3	September 21, 2023	—	<u>8</u> , <u>X</u>
<u>watchOS 10</u>	September 18, 2023	10.5	May 13, 2024	<u>Series 4</u> , <u>Series 5</u> , <u>SE (1st)</u>	—
		10.6 beta	June 17, 2024		—
<u>watchOS 11</u>	June 10, 2024	11.0 beta 2	June 24, 2024	—	—
Legend: Obsolete Supported Current Beta					

watchOS 1

The first version of watchOS 1 was 1.0 and was based on iOS 8.2. The second version of watchOS 1 was 1.0.1 and was based on iOS 8.3.

Update method	OTA (via iPhone 5+ running iOS 8.2+)
Platforms	<u>ARMv8-A</u> (watchOS 5 and later) <u>ARMv7-A</u> (watchOS 1 – watchOS 8.8.1)
Kernel type	Hybrid (<u>XNU</u>)
Default user interface	<u>Cocoa Touch (GUI)</u>
License	Proprietary software except for open-source components
Official website	<u>apple.com/watchos</u> (<u>https://www.apple.com/watchos/</u>)

Table of versions: watchOS 1.x – Apple Watch

[\[show\]](#)

Watch family: 1st				
watchOS version	iOS version based on	Build	Release date	Features
1.0	8.2 ^[31]	12S507	April 24, 2015	<i>Initial release on <u>Apple Watch</u> (1st Generation).</i> ▪ UI ▪ Free floating Circular app icons in home screen. ▪ Zoom in with Digital Crown. ▪ 9 watch faces:^[32] ▪ Chronograph ▪ Color ▪ Modular ▪ Utility ▪ Mickey Mouse ▪ Simple, Motion ▪ Solar ▪ Astronomy ▪ 20 stock apps:^[33] ▪ Activity. ▪ Alarm. ▪ Calendar. ▪ Camera Remote. ▪ Mail. ▪ Maps. ▪ Messages. ▪ Music. ▪ Passbook. ▪ Phone. ▪ Photos. ▪ Remote. ▪ Settings. ▪ Siri. ▪ Stocks. ▪ Stopwatch. ▪ Timer. ▪ Weather. ▪ Workout. ▪ World Clock.
1.0.1 ^[34]	8.3 ^[31]	12S632	May 19, 2015	▪ Display support for new Emoji characters. ▪ Notification screen UI tweaks. ▪ Improved performance: ▪ Free floating Circular app icons in home screen. ▪ Zoom in with Digital Crown. ▪ Siri. ▪ Measuring stand activity. ▪ Calculating calories for indoor cycling and rowing workouts. ▪ Distance and pace during outdoor walk and run. ▪ Accessibility. ▪ Third-party apps. ▪ Wrist Raise (more sensitive to real-life wrist raises). ▪ Additional language support: ▪ Brazilian Portuguese. ▪ Danish. ▪ Dutch. ▪ Swedish. ▪ Russian. ▪ Thai.

watchOS 2

Table of versions: watchOS 2.x – Apple Watch ^[36] [show]				
Watch family: 1st				
watchOS version	iOS version based on	Build	Release date	Features
2.0 ^[37]	9.0 ^[31]	13S344	September 21, 2015	New Watch faces ▪ Time-lapse face: Hong Kong, London, Mack Lake, New York, Shanghai, Paris ▪ Photo & Photo album faces with support for Live Photos ▪ New Time Travel function where you can see both past and future events ▪ Nightstand Mode ▪ 9 new colors for customization ▪ New multicolor Modular face ▪ 3rd party apps Complications support Siri ▪ Workout and Maps support ▪ FaceTime audio calling and email replying support ▪ HomeKit support ▪ Added support in following countries: Austria, Belgium, Norway Activity and Workout ▪ Workouts done in 3rd-party apps will be included in Activity rings ▪ Sharing support from Activity app on iPhone ▪ Interactive achievements ▪ Weekly Summary ▪ Activity notifications can now be muted for a day ▪ Workouts can now be automatically saved Apple Pay and Wallet ▪ Discover cards support ▪ Reward cards, store credit and debit cards support ▪ Passes can now be added from 3rd party apps Friends ▪ You can now add more than 12 friends to your Watch ▪ Groups support ▪ Multicolor sketches support ▪ Animated emoji support Maps ▪ New Transit view in selected cities ▪ List of directions can now be shown ▪ Station placards support with departure information Music ▪ New Beats 1 Radio support ▪ New Quick Play button for Apple Music Miscellaneous ▪ You can now reply to emails right from your Watch using dictation, emoji, or smart replies ▪ Support for FaceTime audio calls

				- Support for Wi-Fi calling - Activation Lock – No one can activate an Apple Watch without a proper Apple ID and password - New system languages: English (India), Finnish, Indonesian, Norwegian, Polish - Dictation support extended to include the following languages: - Dutch (Belgium) - English (Ireland, Philippines, South Africa) - French (Belgium) - German (Austria) - Spanish (Chile, Colombia) - Smart replies support extended to include the following languages: - Traditional Chinese (Hong Kong, Taiwan) - Danish - Dutch - English (New Zealand, Singapore) - Japanese - Korean - Swedish - Thai Developer - Native SDK support 3rd-party apps can now access the accelerometer, heart rate sensor, microphone, Taptic Engine, and Digital Crown - You can now play videos directly on your Watch - You can now run apps without your iPhone with a Wi-Fi connection - Complications for watch faces support - Support for Workouts from 3rd party apps – Metrics will count toward the Activity rings as well as included in the Activity app on iPhone
2.0.1 ^[37]	9.1	13S428	October 21, 2015	- New emoji characters Resolved: Software updates stalling Resolved: Battery performance deteriorating Resolved: iPhone calendar events not syncing to Apple Watch Resolved: Location information not updating Resolved: Instability with Live Photo on the Photos watch face Resolved: Heart sensor is on forever when Siri is used to help measure your heart rate
2.1 ^[37]	9.2	13S661	December 8, 2015	- New system languages: Arabic, Czech, Greek, Hebrew, Hungarian, Malay, Portuguese (Portugal), Vietnamese - Right-to-left language support - In Arabic, switch between Latin and Hindi numerals - New Complication for Islamic and Hebrew calendars - Siri support extended to include Arabic (Saudi Arabia, United Arab Emirates) - Dictation support extended to include the following languages: - Arabic (Saudi Arabia, United Arab Emirates) - English (Malaysia) - Czech - Greek - Hebrew - Hungarian - Portuguese (Portugal) - Vietnamese Resolved: Events not updating in the Calendar complication

				▪ Resolved: Power Reserve mode not working correctly ▪ Resolved: 3rd-party apps not launching ▪ Resolved: 3rd-party app icons not displaying correctly ▪ Resolved: System instability when changing display language
2.2 ^[37]	9.3	13V144	March 21, 2016	▪ You can now pair 2+ Apple Watches to a single iPhone ▪ New Nearby function in Maps ▪ New system languages: Catalan, Croatian, Slovak, Romanian, Ukrainian ▪ Dictation support extended to include the following languages: ▪ Catalan ▪ Croatian ▪ Slovak ▪ Romanian ▪ Ukrainian ▪ English (Saudi Arabia, UAE, and Indonesia) ▪ Siri support extended to include Malay, Finnish, and Hebrew ▪ Background heart rate measurements have their frequency increased when you're stationary
2.2.1 ^[37]	9.3.2	13V420	May 16, 2016	▪ General performance and stability improvements.
2.2.2 ^[37]	9.3.3	13V604	July 18, 2016	▪ General performance and stability improvements.

watchOS 3

Table of versions: watchOS 3.x – Apple Watch ^[38]					[show]
Watch family: 1st • Series 1 • Series 2					
watchOS version	iOS version based on	Build	Release date	Features	
3.0	10.0	14S326	September 13, 2016	▪ <i>Initial Release on Apple Watch Series 1 (Dual-Core) and Apple Watch Series 2 (Dual-Core)</i> Navigation ▪ Favorite apps in Dock ▪ Apps in Dock updates with up-to-date information on launch ▪ Dock can contain up to 10 apps ▪ Simple switch to different watch face with a swipe ▪ Control Center can be toggled with a swipe up New Watch faces ▪ Minnie Mouse face ▪ Activity faces ▪ Numerals faces ▪ Complications support for Photo, Photo Album, Timelapse, and Motion faces ▪ New Complications: Workout, Music, and Messages, etc. ▪ Face Gallery in Apple Watch app on iPhone ▪ 3rd-party Complications support Activity ▪ Share and compare activity rings ▪ Activity progress notifications for a person you have shared your activity progress with ▪ Smart replies for above notifications ▪ New "Sharing" tab on Activity app on iPhone	

Workout

- Quick start
- Customizable metrics view
- Gestures support for pausing, resuming, or marking segments
- Support for "Other" workouts not listed in built-in workout types
- Auto-pause in running workouts for inactivity
- Siri support
- Route maps with a speed indicator (**Outdoor workouts only**)

For Wheelchairs

- Activity rings support for people using a wheelchair
- Pushes now contribute to the move ring
- Stand ring and "Time to Stand" notification substituted with Roll ring and "Time to Roll" notification
- Outdoor Run or Walk pace workouts

Breathe app

- New app for breathing sessions
- Visualization and haptics indicate when to inhale or exhale
- Adjustments for session length and amount of breaths per minute
- Summary with heart rate
- "Time to Breathe" notifications
- Weekly Summary

Communication

- Full-screen effects for celebrations
- Tap to quick reply
- Animations for handwritten messages
- Send built-in or 3rd party stickers
- Ability to view secret messages
- Replies now available in Messages and Mail notifications
- New and redesigned emojis

Scribble

- Write directly on Apple Watch and it will automatically convert to text
- Scroll through predictions with Digital Crown
- Available in English, Simplified Chinese, and Traditional Chinese

Emergency SOS

- You can now call emergency services by pressing and holding the side button
- Your SOS contacts will be notified with your location
- You can also display your Medical ID stored on your Watch
- Emergency numbers are automatically adjusted per your location

Home

- New app to control accessories through HomeKit
- You can now control all your accessories directly from your wrist
- IP camera support: Watch live video with controls and notifications directly on your Watch

Miscellaneous

- New Reminders app
- New Find My Friends app
- Apple Pay support in 3rd-party apps

				▪ New controls in the Calendar app: You can now delete events or switch calendars ▪ FaceTime audio calls support ▪ Search for Settings on Apple Watch app on iPhone ▪ New remote camera controls: Flash, Live Photos, HDR, Zoom, Burst, and facing ▪ New Siri languages: Spanish (Chile), Cantonese, English (Ireland), English (South Africa)
3.1	10.1	14S471	October 24, 2016	▪ Bubbles and fullscreen effects on Messages can now be replayed ▪ Reduce Motion of Messages effects ▪ Resolved: "Timer complete" notification being delivered twice ▪ Resolved: Apple Watch Series 2 not fully charged ▪ Resolved: Disappeared Activity rings on watch faces ▪ Resolved: Force Touch options not appearing in 3rd-party apps
3.1.1	10.2	14S883	December 12, 2016	<i>Update withdrawn due to reports of Apple Watches no longer working after the update</i> ^[39]
3.1.3	10.2.1	14S960	January 23, 2017	▪ Resolved: Bricking Apple Watches after updating to watchOS 3.1.1 ▪ Includes fixes from watchOS 3.1.1, including... ▪ Resolved: Contact names not appearing in notifications and the Messages app ▪ Resolved: Unable to respond notifications ▪ Resolved: Stocks Complication not updating on watch faces ▪ Resolved: Activity rings not displaying on Activity watch faces ▪ Resolved: Dials of Analog watch faces not displaying after changing the temperature unit in the Weather app ▪ Resolved: Maps app still launching after navigation has ended ▪ Resolved: Month view of Calendars app showing incorrect dates
3.2	10.3	14V249	March 27, 2017	▪ Siri now works with 3rd-party apps with features including ▪ Start a workout ▪ Send messages ▪ Make payments ▪ Book rides ▪ Theater Mode ▪ New Scribble languages: French, Spanish, Italian ▪ Sync progress for music playlists is now displayed in the Apple Watch app on iPhone
3.2.2	10.3.2	14V485	May 15, 2017	▪ Bug fixes.
3.2.3	10.3.3	14V753	July 19, 2017	▪ Bug fixes. ▪ Final version to support <u>iPhone 5</u> and <u>iPhone 5C</u>

watchOS 4

Table of versions: watchOS 4.x – Apple Watch ^[40]		[show]
Watch family: 1st • Series 1 • Series 2 • Series 3		

Limited support on the Apple Watch (1st generation). Some features are not supported on the Apple Watch Series 1 and Apple Watch Series 2

watchOS version	iOS version based on	Build	Release date	Features
4.0	11.0	15R372	September 19, 2017	<i>Initial release on <u>Apple Watch Series 3</u></i> <i>Drops support for <u>iPhone 5</u> and <u>iPhone 5C</u></i> New Watch faces ▪ Siri face with updates based on time, location, and daily routines ▪ <u>Toy Story</u> face with animated Toy Story characters ▪ Kaleidoscope face with static images turning into patterns ▪ Siri, News, Heart Rate, Now Playing, Messages Complications Activity ▪ Personalized notifications ▪ Monthly challenges ▪ Full Screen animations for achievements and rings closed ▪ Workout metrics included in replies for Activity Sharing notifications Workout ▪ App completely redesigned ▪ High Intensity Interval Training workout support ▪ Multiple workouts in a single session support ▪ Auto sets for Pool Swim workouts ▪ Synced music playlist support when starting workouts (Apple Watch 1st gen not supported) ▪ Music controls right inside the app ▪ Do Not Disturb can be automatically turned on when starting workouts Heart Rate ▪ Graphs for all-day heart rate ▪ New measurements including resting rate, walking average, workout average, workout high, recovery, and Breathe sessions ▪ High Heart Rate notifications support (Apple Watch 1st gen not supported) ▪ New Heart Rate data on iPhone including Heart Rate Variability and <u>VO2 max</u> Music ▪ App completely redesigned ▪ Multiple playlists sync support for local playback with Bluetooth headphones ▪ Apple Music curated playlists sync support, includes Heavy Rotation, My New Music Mix, and My Favorites Mix Miscellaneous ▪ News app added ▪ Flashlight and Safety Light can be toggled through Control Center ▪ Recent used apps in Dock ▪ App home screen in alphabetical view ▪ Gestures support in Mail ▪ Dialer pad right inside Phone app ▪ Conflicts for Calendar invites can now be displayed ▪ New language for Scribble: German ▪ New timers: sub-minute and repeating

				- Recent locations and suggestions in Maps - Contacts in Smart Reply, includes location
4.0.1	11.0	15R654	October 4, 2017	Apple Watch Series 3 (GPS + Cellular) only Resolved: Apple Watches joining unauthenticated Wi-Fi networks
4.1	11.1	15R846	October 31, 2017	- Music streaming support on Apple Music or iCloud Music Library (Apple Watch Series 3 only) - New Radio app: Beats 1 Live Radio, custom stations, and expert-curated stations (Apple Watch Series 3 only) - Find, discover, and play songs, albums, or albums using Siri - Fitness data syncing support for more accurate metrics on GymKit-enabled treadmills, ellipticals, stair steppers, and indoor bikes - Ability to disconnect from a Wi-Fi network right in Control Center (Apple Watch Series 3 GPS + Cellular model only) Resolved: Heart Rate notifications erroneously delivered to users who have not enabled the feature Resolved: Current Stand Hour indicator not correctly displayed Resolved: Haptics not delivered for silent alarms Resolved: Apple Watch (1st gen) not charging Resolved: Sunrise / Sunset complication not appearing on watch faces - Mandarin Chinese now set as default dictation language in China
4.2	11.2	15S102	December 5, 2017	- Apple Pay Cash support (US only) - HomeKit sprinklers and faucet support 3rd-party app Workouts: distance, average Speed, number of runs, elevation descended for downhill snow sports (Apple Watch Series 3 only) Resolved: Crash when asking Siri about weather Resolved: Scrolling disabled in the Heart Rate app Resolved: Simultaneous timers and alarms not being independently dismissed
4.2.2	11.2	15S542	January 23, 2018	This update includes improvements and bug fixes.
4.2.3	11.2	15S600b	February 19, 2018	Fixes an issue where using certain character sequences could cause apps to crash.
4.3	11.3	15T212	March 29, 2018	- HomePod volume and playback control support - Regaining control of music on iPhone - Multiple orientation support on Nightstand mode - Activity rings progress and new songs to Apple Music mixes are now shown on the Siri watch face Resolved: Activity achievements incorrectly awarded Resolved: Siri music commands not working for some audio
4.3.1	11.4	15T567	May 29, 2018	Fixes an issue which caused Apple Watch to sometimes remain at the Apple Logo during startup for some users.
4.3.2	11.4.1	15U70	July 9, 2018	<i>Final release supported on Apple Watch (1st generation)</i> This update includes improvements and bug fixes.

watchOS 5

watchOS 5 was first shown to the public at the 2018 San Jose WWDC developer conference held on June 4, 2018 by Apple. It had an instant watch-to-watch Walkie-Talkie mode.^[41] With this release, Apple dropped support for the first generation Apple Watch. watchOS 5 was the first version of watchOS to bring 64-bit support.

Table of versions: watchOS 5.x – Apple Watch^[42][\[show\]](#)

Watch family:
[Series 1](#) · [Series 2](#) · [Series 3](#) · [Series 4](#)

Some features are not supported on the [Apple Watch Series 1](#) and [Apple Watch Series 2](#).

watchOS version	iOS version based on	Build	Release date	Features
5.0	12.0	16R364	September 17, 2018	<i>Initial Release on Apple Watch Series 4</i> <i>Drops support for the Apple Watch (1st generation)</i> ▪ Workout ▪ Compete with Friends notifications ▪ Auto detect workout and notification to turn off workout when done ▪ New workouts: Yoga and Hiking ▪ Pace Alerts and Cadence ▪ Podcasts ▪ New app for watchOS ▪ Download episodes of podcasts for listening ▪ Stream your favorite podcasts on the go (Series 3 and later only) ▪ Walkie-Talkie ▪ A new watchOS app that allows you to do FaceTime Audio calls similar to talking on a walkie-talkie ▪ Siri ▪ Watchface adds 3rd-party access to Siri ▪ Raise to Speak. No longer need to say "Hey Siri" to activate (Series 3 and later only) ▪ Integrate with shortcuts like "I am on my way home" and Siri will start playing your favorite playlist on the way home ▪ Notifications ▪ Grouped notifications ▪ More actions you can do with Notifications ▪ Can view webpages from iMessages ▪ Do Not Disturb ▪ Can schedule Do Not Disturb events when leaving a location or just for a specific time period ▪ Student ID Cards
5.0.1	12.0	16R381/16R382	September 27, 2018	Improvements and bug fixes
5.1	12.1	16R591	October 30, 2018	<i>Update withdrawn due to reports of Apple Watches no longer working after the update</i> ^[43]
5.1.1	12.1	16R600	November 5, 2018	Improvements and bug fixes ▪ Addresses a problem in the WatchOS 5.1 update leading to non-functional Apple Watches. ▪ Improvements to Series 4 automatic fall detection. ▪ Resolves a problem with completing setup of Walkie-Talkie. ▪ Resolves a problem with sending and receiving invitations for Walkie-Talkie. ▪ Resolves missing earned Activity awards.
5.1.2	12.1.1	16S46	December 6, 2018	▪ New ECG app for Apple Watch Series 4 (US and US territories only) ▪ Irregular rhythm notification (US and US territories only) ▪ AFiB notification ▪ Other improvements and bug fixes
5.1.3	12.1.3	16S535	January 22, 2019	This update includes improvements and bug fixes.

5.2	12.2	16T225	March 27, 2019	- ECG app extended to Austria, Belgium, Denmark, Finland, France, Germany, Greece, Hong Kong, Hungary, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Romania, Spain, Sweden, Switzerland, and the UK - Irregular rhythm notification extended to countries listed above 2nd gen AirPods support - Real-time text support for phone calls
5.2.1	12.3	16U113	May 13, 2019	- ECG app extended to Croatia, Czech, Iceland, Poland, and Slovakia - Irregular rhythm notification extended to countries listed above - New Pride watch face - Other bug fixes
5.3	12.4	16U569	July 22, 2019	- ECG app extended to Canada and Singapore - Irregular rhythm notification extended to countries listed above Resolved: Security fix for Walkie-Talkie app that could enable the owner's iPhone to be eavesdropped^[44]
5.3.1	12.4.1	16U600	August 26, 2019	Re-patches a security vulnerability that was accidentally unpatched in the previous update
Post-watchOS 6 Updates for watches paired with an iOS 12.x iPhone (to support iPhone 5S and iPhone 6/6 Plus)				
5.3.2	12.4.2	16U611	September 26, 2019	Apple Watch Series 1 and Apple Watch Series 2 only Security update for Series 1 and Series 2 watches^[45]
5.3.3	12.4.3	16U620	October 29, 2019	Apple Watch Series 1 and Apple Watch Series 2 only Important security updates
5.3.4	12.4.4	16U627 ^[46]	December 10, 2019	Security update for Series 1, 2, 3, and 4 watches^[47]
5.3.5	12.4.5	16U652 ^[48]	February 18, 2020	Update for Series 1, 2, 3, and 4 watches with heart rhythm notification bug fix^[49] <i>No published security notes.</i> ^[50]
5.3.6	12.4.6	16U662	March 24, 2020	Important security updates <i>No published security notes.</i> ^[50]
5.3.7	12.4.7	16U674	May 18, 2020	Improvements and bug fixes <i>Security notes</i> (https://support.apple.com/kb/HT211176)
5.3.8	12.4.8	16U680	July 15, 2020	Improvements and bug fixes <i>No published security notes.</i> ^[50]
5.3.9	12.4.9	16U693	November 5, 2020	<i>Final version to support iPhone 5S, iPhone 6, iPhone 6 Plus</i> Improvements and bug fixes <i>Security notes</i> (https://support.apple.com/kb/HT211945)

watchOS 6

Apple announced a new version of watchOS that would contain features, such as the App Store, a calculator with tip tools, an audiobooks app, noise level monitoring, and Apple's Voice Memos app, at WWDC 2019 held on 3 June 2019.^{[51][52][53]} It also enables special games that can only be played on the Watch interface. With this release, Apple dropped support for iPhone 5s, 6 and 6 Plus. However, watchOS 6 has limited support on Apple Watch Series 1 and 2. watchOS 6.3 is the final release supported on the Apple Watch Series 1 and 2.

Table of versions: watchOS 6.x – Apple Watch^[54]

[show]

Watch family:
Series 1 · Series 2 · Series 3 · Series 4 · Series 5

Limited support on the Apple Watch Series 1 and Apple Watch Series 2.

watchOS version	iOS version based on	Build	Release date	Features
6.0	13.0	17R575	September 19, 2019	<i>Initial Release on Apple Watch Series 5</i> <i>Not released for Apple Watch Series 1 and 2</i> <i>Drops support for <u>iPhone 5s</u>, <u>iPhone 6</u> and <u>iPhone 6 Plus</u></i> ▪ Cycle Tracking ▪ New Cycle Tracking app for tracking menstrual cycle and fertility metrics ▪ Notifications predicting a person's next menstrual cycle and fertile window. ▪ Noise (Series 4 or later only) ▪ New Noise app for detecting decibel levels in your surroundings. ▪ Notifications can be pushed when it detects that the noise in your surrounding is too high. ▪ Voice Memos ▪ New Voice Memos app for recording and listening to voice memos directly on Apple Watch ▪ Synced across all your devices as well. ▪ Audiobooks ▪ Now you can sync up to 5 hours of audiobooks to your Apple Watch ▪ Stream them when your Watch is connected via Wi-Fi or cellular ▪ App store ▪ New built-in App Store where you can find and download apps for your Watch. ▪ Supports Sign in with Apple ▪ Activity Trends ▪ Activity Trends in Activity app which includes all three activity rings, stand minutes, walking distance, walking pace, running pace, and VO₂ max. ▪ These are compared with data averaged over the last 90 days to the wearer's performance over the last year. ▪ Tips are given if a single trend is going down. ▪ Workout ▪ New elevation metrics for Outdoor Run, Outdoor Walk, Outdoor Cycle, and Hiking workouts (Series 2 or later only) ▪ Stopwatch app can now be viewed on your watch face during workouts ▪ GymKit support for True and Woodway ▪ Siri ▪ Now you can identify songs directly on your Watch—with the ability to add identified songs to your Apple Music library ▪ New Siri Web Search—shows up to 5 online results with the ability to view optimized Web content. ▪ Siri integration into the redesigned Find People app ▪ Watch Faces ▪ New Faces ▪ Numerals Mono and Numerals Duo (Available in Arabic, Arabic Indic, Roman numerals, and Devanagari) ▪ Meridian—black or white dial which fills the screen and includes 4 complications (Series 4 or later only)

				▪ Gradient—Design dynamically changes as time passes. Available in full screen or circular with 5 complications (Series 4 or later only) ▪ California—Supports multiple numeral styles in Roman, Arabic, and Devanagari in fullscreen or circular (Series 4 or later only) ▪ Solar Dial—Depicts the Sun's path in circular form across a 24-hour dial (Series 4 or later only) ▪ Modular Compact—With many complications and the option to choose between analog or digital time (Series 4 or later only) ▪ Tap to speak on all watch faces, supports up to 30 languages ▪ Receive and customize time-keeping chimes (An alert on the hour, every half hour or every 15 minutes, either with haptics or customizable chimes) ▪ Now you can reorder your Watch faces directly on your Watch ▪ New complications ▪ Audiobooks ▪ Calculator ▪ Cellular connectivity ▪ Cycle Tracking ▪ Noise ▪ Wind ▪ Rain ▪ Voice memos ▪ New monochrome complications for Infograph and Infograph Modular faces ▪ Miscellaneous ▪ New Calculator app with the ability to calculate tips and split checks ▪ Support for custom stations in the Podcasts app ▪ Smart Guidance and spoken navigation in Maps ▪ Redesigned Now Playing app with Apple TV Remote controls ▪ Personalized music picks in the For You tab ▪ Support for automatic software updates ▪ Redesigned Walkie-Talkie app ▪ Redesigned Find People app which allows you to add friends, set notifications, and change settings directly on your Watch ▪ Redesigned Reminders app with shared lists, subtasks, and the ability to add new reminders ▪ More settings for Accessibility, Workout, and Health
6.0.1	13.1	17R604/17R605	September 30, 2019	<i>Not released for Apple Watch Series 1 and 2</i> Improvements and bug fixes ▪ Resolves an issue where the Mickey Mouse and Minnie Mouse watch faces do not speak time. ▪ Addresses an issue where the calendar complication may not display events. ▪ Fixes a bug that could result in a loss of display calibration data.
6.1	13.2	17S84	October 29, 2019	<i>First version of watchOS 6.x to support Apple Watch Series 1 and 2</i> ▪ Support for AirPods Pro ▪ Other improvements and bug fixes ▪ Brings watchOS 6 to Apple Watch Series 1 and Series 2
6.1.1	13.3	17S449	December 10, 2019	▪ Important security updates
6.1.2	13.3.1	17S796	January 28, 2020	▪ Important security updates <i>Security notes</i> (https://support.apple.com/kb/HT210921)
6.1.3		17S811	February 18, 2020	▪ Heart rhythm notification bug fix <i>No published security notes.</i>^[50]

6.2	13.4	17T529	March 24, 2020	- Brings ECG app and irregular heart rhythm notifications to Chile, Turkey, and New Zealand - Brings in-app purchases to Apple Watch apps - Fixes music playback issues when switching from Wi-Fi to Bluetooth <i>Security notes</i> (https://support.apple.com/kb/HT211103)
6.2.1	13.4.1	17T530	April 8, 2020	Fixes an issue that prevented FaceTime audio calls with devices running iOS 9.3.6 and earlier or Macs running OS X El Captain 10.11.6 and earlier from working <i>No published security notes.</i> ^[50]
6.2.5	13.5	17T608	May 18, 2020	- ECG app on Apple Watch Series 4 or later now available in Saudi Arabia - Irregular heart rhythm notifications now available in Saudi Arabia <i>Security notes</i> (https://support.apple.com/kb/HT211175)
6.2.6	13.5.1	17T620	June 1, 2020	Important security updates <i>Security notes</i> (https://support.apple.com/kb/HT211217)
6.2.8	13.6	17U63	July 15, 2020	- ECG app on Apple Watch Series 4 or later now available in Bahrain, Brazil, and South Africa - Irregular heart rhythm notifications now available in Bahrain, Brazil, and South Africa - Digital car keys support for Apple Watch Series 5 <i>Security notes</i> (https://support.apple.com/kb/HT211291)
	13.6.1		August 12, 2020	
	13.7		September 1, 2020	
Post-watchOS 7 Updates for watches paired with an iOS 13.x iPhone (for users who deferred updating to iOS 14)				
6.2.9	13.7	17U203	November 5, 2020	Apple Watch Series 1 and Apple Watch Series 2 only Improvements and bug fixes <i>Security notes</i> (https://support.apple.com/kb/HT211944)
6.3		17U208	December 14, 2020	<i>Final version to support the Apple Watch Series 1 and 2</i> Improvements and bug fixes <i>Security notes</i> (https://support.apple.com/kb/HT212006)

watchOS 7

Apple announced watchOS 7 at the 2020 Worldwide Developers Conference on June 22, 2020. With watchOS 7, Apple dropped support for Apple Watch Series 1 and 2. However, watchOS 7 has limited support on Apple Watch Series 3.

Table of versions: watchOS 7.x – Apple Watch^[55]

[show]

Watch family:
Series 3 · Series 4 · Series 5 · SE · Series 6

Limited support on the Apple Watch Series 3.

watchOS version	iOS version based on	Build	Release date	Features
7.0	<u>iOS 14.0</u>	18R382	September 16, 2020	<i>Initial Release on Apple Watch SE and Apple Watch Series 6</i> <i>Drops support for the <u>Apple Watch Series 1</u> and <u>Apple Watch Series 2</u></i> ▪ Watch Faces ▪ Updated Faces ▪ Chronograph Pro gains a tachymeter (Series 4 or later only) ▪ X-Large adds support for one large complication ▪ Photos face provides colour filters for pictures and more customization options ▪ Updated colours for many watch faces ▪ Complications ▪ Apps may now include more than one complication ▪ New and/or updated Sleep, Shortcuts, Camera Remote, Moon Phase and World Clock complications ▪ Watch Face Sharing ▪ Ability to share custom Watch Faces through Mail, Messages, or posting a link ▪ Sleep Tracking ▪ Apple Watch uses the accelerometer to measure sleep ▪ See logged sleep, manage schedules and set alarms in the new Sleep app ▪ New alarm sounds and haptics ▪ Wind Down mode ▪ Sleep Mode automatically enables Do Not Disturb and disables Raise to Wake ▪ Reminders to charge your Apple Watch in the evening if below 30% charge ▪ Notifications on iPhone when Apple Watch is finished charging ▪ Wake up screen displays after your alarm, showing the weather and your battery level ▪ Activity ▪ Workouts ▪ New Dance, Functional Strength Training, Core Training and Cooldown workouts ▪ Mobility Metrics ▪ Support for low-range cardio fitness, walking speed, stair-descent speed, stair-ascent speed, six-minute walk distance, double support time, step length, and asymmetry metrics in the Health app on iPhone, tracked by Apple Watch ▪ Exercise and Stand goals can now be modified in addition to the Move goal ▪ Activity app renamed Fitness app on iPhone ▪ Maps ▪ Cycling Directions ▪ Cycling specific directions in Maps in supported areas ▪ Choose routes based on intensity and duration ▪ Alerts about upcoming stairs and dismount locations ▪ Handwashing (Series 4 or later only)

				- Automatic handwashing detection with a 20-second timer - Handwashing reminder when arriving home Siri - Translation support for 10 languages - Support for Announce Messages with Siri - New Siri UI New Apps - New Shortcuts app, and ability to choose visible shortcuts on Apple Watch from iPhone - New Memoji app with support for editing and creating new Memoji (Series 4 or later only) Dictation - Dictation is processed on-device (Series 4 or later only) Privacy - Microphone icon appears onscreen when in use Headphones - Ability to set a decibel volume limit for headphones - Reminders to reduce volume if above World Health Organization's limits Family Setup (Cellular Series 4 or later only, in supported countries) - Pair Apple Watches for family members that do not have their own iPhone, aimed at children and seniors - Activity metrics are more accurate for children, and Apple Watch now measures move minutes rather than active calories - Apple Cash Family allows children to receive money using Apple Cash - Enhanced parental controls, including approved contacts and apps, and Schooltime Schooltime - Displays a standard yellow watch face and turns on Do Not Disturb to limit distractions - Can be manually enabled through the Control Centre, or scheduled and remotely enabled for child watches using Family Setup <i>Security notes</i> (https://support.apple.com/kb/HT211844)
7.0.1	iOS 14.0.1	18R395	September 24, 2020	Fixes an issue where some payment cards in Wallet were disabled for some users <i>No published security notes.</i>^[50]
7.0.2		18R402	October 12, 2020	- Fixes an issue where the battery drained too quickly - Fixes an issue that blocked access to the ECG app <i>No published security notes.</i>^[50]
7.0.3		18R410	October 19, 2020	Fixes an issue that causes unexpected restarts with Series 3 watches <i>No published security notes.</i>^[50]
7.1	iOS 14.2	18R590	November 5, 2020	- Headphone audio level notifications - Adds ECG and irregular heart rhythm notifications support in South Korea and Russia Fixed: Unlocking Mac with Apple Watch fails Fixed: Always-on display failure on Apple Watch Series 6 <i>Security notes</i> (https://support.apple.com/kb/HT211928)

7.2		18S564	December 14, 2020	- Adds support for Apple Fitness+ (Australia, Canada, Ireland, New Zealand, UK, and US only) - Cardio fitness notifications - AFiB notifications now available at heart rates above 100 BPM - Adds ECG support in Taiwan - Adds braille displays with VoiceOver support - Family Setup now available in Bahrain, Canada, Norway, and Spain <i>Security notes</i> (https://support.apple.com/kb/HT212009)
7.3		18S801	January 26, 2021	- New Unity watch face - New Time to Walk podcasts in Apple Fitness+ - Add ECG support in Japan, Mayotte, Philippines, Taiwan, and Thailand (Series 4 or later) - Add Irregular heart rhythm notifications in Japan, Mayotte, Philippines, Taiwan, and Thailand - Fix an unresponsive issue when zoom is enabled in the Control Center and Notification Center <i>Security notes</i> (https://support.apple.com/kb/HT212148)
7.3.1		18S811	February 15, 2021	Fix for a charging issue when in Power Reserve mode (Series 5 and SE only) <i>No published security notes.</i>^[50]
7.3.2		18S821	March 8, 2021	Important security updates <i>Security notes</i> (https://support.apple.com/kb/HT212222)
7.3.3		18S830	March 26, 2021	Important security updates <i>Security notes</i> (https://support.apple.com/kb/HT212258)
7.4	iOS 14.5	18T195	April 26, 2021	- Unlock iPhone with Face ID using Apple Watch when wearing a face mask - Set the Bluetooth device type in Settings - Airplay audio and video content of Apple Fitness+ workouts - Add ECG support on in Australia and Vietnam (Series 4 or later) - Add irregular heart rhythm notifications in Australia and Vietnam <i>Security notes</i> (https://support.apple.com/kb/HT212324)
7.4.1	iOS 14.5.1	18T201	May 3, 2021	Important security updates <i>Security notes</i> (https://support.apple.com/kb/HT212339)
7.5	iOS 14.6	18T567	May 24, 2021	- Subscription content in Podcasts app - Apple Card with a Family Sharing - Add ECG support in Malaysia and Peru (Series 4 or later) - Add irregular heart rhythm notifications in Malaysia and Peru <i>Security notes</i> (https://support.apple.com/kb/HT212533)
7.6	iOS 14.7	18U63	July 19, 2021	- Add ECG support for multiple countries (Series 4 or later) - Add irregular heart rhythm notifications for multiple countries <i>Security notes</i> (https://support.apple.com/kb/HT212605)
7.6.1	iOS 14.7.1	18U70	July 29, 2021	Important security updates <i>Security notes</i> (https://support.apple.com/kb/HT212713)

7.6.2	iOS 14.8	18U80	September 13, 2021	▪ This release fixes <u>FORCEDENTRY</u> (CVE-2021-30860), an <u>integer overflow</u> bug that allows a malicious PDF to perform <u>remote code execution</u>.^[56] <i>Security notes</i> (https://support.apple.com/kb/HT212806)
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watchOS 8

Apple announced watchOS 8 at the 2021 Worldwide Developers Conference on June 7, 2021. Apple Watch models supporting watchOS 7 can also support watchOS 8. However, like watchOS 7, watchOS 8 has limited support on Apple Watch Series 3. It is also the last version of watchOS to be supported on Apple Watch models with 32-bit processors.

Table of versions: watchOS 8.x – Apple Watch ^[57]					[show]
Watch family: Series 3 · Series 4 · Series 5 · SE · Series 6 · Series 7 Limited support on the Apple Watch Series 3.					
watchOS version	iOS version based on	Build	Release date	Features	
8.0	15.0	19R343 19R346	September 20, 2021	<i>Initial release on Apple Watch Series 7. Build 13R346 is pre-installed only on Apple Watch Series 7 (GPS + Cellular).</i> ▪ Watch Faces ▪ New Portrait photo and World Time watch face (Series 4 and later) ▪ Home ▪ View the status and accessory controls at the top ▪ Accessories and scenes displayed changes depending on the time of day and usage ▪ View all HomeKit camera feeds together ▪ New Favorites section ▪ Wallet ▪ Added support for home, hotel, and office keys ▪ Added support for car keys (Series 6 and later) ▪ Added support for Remote keyless car features ▪ Workout ▪ New tai chi and pilates workouts ▪ Automatic workout detection for outdoor cycling ▪ Outdoor cycling workout tracking improvements ▪ Hiking workout tracking improvements (aged 13 and below) ▪ Voice feedback during workout ▪ Fitness+ ▪ New guided meditations sessions ▪ New pilates workouts ▪ New picture-in-picture support ▪ New search filters ▪ Mindfulness ▪ Breathe session improvements ▪ New reflect session ▪ Sleep ▪ Monitor respiratory rate when sleeping ▪ View respiratory rate data recorded in Health app ▪ Messages ▪ Use the Scribble, dictation, and emoji methods simultaneously ▪ Use Digital Crown to scroll when editing dictated text ▪ Enter hashtag to search for GIF images ▪ Photos ▪ New Photos app ▪ Share photos ▪ Find My ▪ New Find Items app ▪ New Find Devices app ▪ Weather ▪ Support for precipitation and severe weather notifications alerts	

				- New precipitation graph - Miscellaneous - Focus function added - Sync Focus state with iOS, iPadOS or macOS - New Contacts app - New Tips app - Redesigned Music app - Share songs, albums, and playlists - Run simultaneous timers at the same time - Cycle Tracking improvements - New Memoji stickers and outfits - Measure headphone audio level in Control Center - Transit card support in Wallet for Family Setup users in multiple countries - Google account support in Calendar and Mail for Family Setup users - New AssistiveTouch gestures supported - Add ECG support in Lithuania (Series 4 or later) - Add irregular heart rhythm notifications in Lithuania <i>Security notes</i> (https://support.apple.com/kb/HT212819)
8.0.1	15.0.2	19R354	October 11, 2021	- Software update progress bar fix (Series 3 only) - Fix a bug with Accessibility settings (Series 3 only) <i>No published security notes.</i>^[50]
8.1	15.1	19R570	October 25, 2021	- Fall detection improvements and new settings (Series 4 and later) - Support COVID-19 vaccination cards in Apple Wallet - Fitness+ SharePlay support - Improve Always-On time accuracy (Series 5 and later) <i>Security notes</i> (https://support.apple.com/kb/HT212874)
8.1.1		19R580	November 18, 2021	<i>Apple Watch Series 7 (GPS + Cellular) only</i> Charging issue fix <i>No published security notes.</i>^[50]
8.3	15.2	19S55	December 13, 2021	- Enable ECG for China (Series 4 or later) - Compass no longer shows altitude (Series 3-5) latitude and longitude in mainland China^[58] - New Apple Music Voice plan option - New App Privacy Report - Fix for notifications not being muted during Mindfulness sessions <i>Security notes</i> (https://support.apple.com/kb/HT212975)
8.4	15.3	19S546	January 26, 2022	- Important security updates - Charging fix for select chargers <i>Security notes</i> (https://support.apple.com/kb/HT213059)
8.4.1		19S550	February 1, 2022	<i>Apple Watch Series 4 or later only</i> Bug fixes <i>No published security notes.</i>^[50]

8.4.2	15.3.1	19S553	February 10, 2022	- Important security updates - Bug fixes <i>No published security notes.</i> ^[50]
8.5	15.4	19T242	March 14, 2022	- Authenticate Apple TV purchases and subscriptions - Support for EU COVID-19 vaccination cards in Apple Wallet - Afib tracking improvements for irregular rhythm notifications in multiple countries - New audio description in Fitness+ <i>Security notes</i> (https://support.apple.com/kb/HT213193)
8.5.1	15.4.1	19T252	March 31, 2022	- Important security updates - Bug fixes <i>No published security notes.</i> ^[50]
8.6	15.5	19T572	May 16, 2022	- Add ECG support in Mexico (Series 4 or later) - Add irregular heart rhythm notifications in Mexico <i>Security notes</i> (https://support.apple.com/kb/HT213253)
8.7	15.6	19U66	July 20, 2022	- Important security updates - Bug fixes <i>Security notes</i> (https://support.apple.com/kb/HT213340)
8.7.1	15.6.1	19U67	August 17, 2022	Apple Watch Series 3 only Restart issue fix <i>No published security notes.</i> ^[50]
Post-watchOS 9 update for Series 3 and/or watches paired with an iOS 15.x iPhone (to support iPhone 6S, 6S Plus, SE (1st gen), 7 and 7 Plus)				
8.8.1	15.7.7	19U512	June 21, 2023	<i>Final version to support the Apple Watch Series 3, iPhone 6S, 6S Plus, SE (1st gen), 7, and 7 Plus</i> <i>Security notes</i> (https://support.apple.com/en-us/HT213808)

watchOS 9

Apple announced watchOS 9 at the 2022 [Worldwide Developers Conference](#) on June 6, 2022. With this release, Apple dropped support for Apple Watch Series 3, making it the first version of watchOS to run exclusively on Apple Watch models with [64-bit processors](#).

Table of versions: watchOS 9.x – Apple Watch^[59]

[\[show\]](#)

Watch family:
Series 4 · Series 5 · SE · Series 6 · Series 7 · Series 8 · Ultra

watchOS version	iOS version based on	Build	Release date	Features
9.0	16.0	20R361	September 12, 2022	<i>Initial release on Apple Watch Series 8, Apple Watch SE (2nd gen) and Apple Watch Ultra</i> <i>Drops support for the Apple Watch Series 3, iPhone 6S, 6S Plus, SE (1st gen), 7 and 7 Plus</i> ▪ Watch Faces ▪ New Astronomy, Lunar, Playtime, Metropolitan, and Nike watch faces ▪ Complication improvements ▪ Portrait photo watch face improvements ▪ Change watch face depending on Focus ▪ Workout ▪ Access workout view during a workout ▪ New heart rate zone, elevation view, and running power graphs ▪ Additional running metrics (SE, Series 6 and later) ▪ New custom and Multisport workout option ▪ New workout alerts ▪ Pool Swim workout improvements ▪ New swimming metrics ▪ Fitness+ ▪ New trainer guidance and personal fitness metrics displayed ▪ Compass ▪ New Compass app (SE, Series 5 and later) ▪ New compass waypoints, and backtrack GPS function (SE, Series 6 and later) ▪ Sleep ▪ Sleep tracking improvements ▪ New comparisons chart ▪ Medications ▪ Add and schedule medications ▪ View medication schedule ▪ Medication reminders ▪ New watch complication ▪ AFib History ▪ New weekly summary notifications ▪ AFib tracking improvements ▪ Export data as a PDF ▪ Family Setup ▪ New Podcasts app ▪ New support for Yahoo and Outlook emails ▪ Accessibility ▪ New AssistiveTouch actions ▪ Ability to pair a Bluetooth keyboard ▪ Airplay Apple Watch to iPhone ▪ Miscellaneous ▪ New Low Power Mode ▪ International roaming support (SE, Series 5 and later) ▪ New keyboard languages (Series 7 and later) ▪ New Communication safety setting in Screen Time

				▪ New cycle deviation notifications alerts ▪ New cardio recovery metrics ▪ Reminders, Calendar, and Podcast app improvements ▪ Minor Dock enhancements ▪ New notification banner design when in use <i>Security notes</i> (https://support.apple.com/kb/HT213486)
9.0.1		20R8380	September 22, 2022	<i>Apple Watch Ultra only</i> ▪ Fixes an issue with audio on phone calls on the Apple Watch Ultra <i>No published security notes.</i>^[50]
9.0.2		20R8383	October 10, 2022	▪ Fixes an issue causing interruptions with Spotify ▪ Fixes an issue with snooze alarm notifications continuing after deleting the alarm ▪ Fixes syncing of Wallet and Fitness data for newly-paired watch ▪ Fixes an issue with audio interruptions on Series 8 and Ultra <i>No published security notes.</i>^[50]
9.1	16.1	20S75	October 24, 2022	▪ Option to extend battery life during select workouts by reducing heart rate and GPS reading frequency (Series 8, SE 2nd generation, and Ultra) ▪ Download music while on battery via Wi-Fi or cellular ▪ Add support for Matter ▪ Fixes incorrect voice feedback of average pace for the Outdoor Run workout ▪ Fixes an issue where the chance of rain probability shown in Weather app may be different from iPhone ▪ Fixes an issue with the hourly weather complication showing AM for PM hours ▪ Fixes an issue with time duration getting stuck during Strength Training Workout ▪ Fixes an issue where VoiceOver fails to announce the app name when multiple notifications are received <i>Security notes</i> (https://support.apple.com/kb/HT213491)
9.2	16.2	20S361	December 13, 2022	<i>Security notes</i> (https://support.apple.com/kb/HT213536)
9.3	16.3	20S648	January 23, 2023	<i>Security notes</i> (https://support.apple.com/kb/HT213599)
9.3.1	16.3.1	20S664	February 13, 2023	
9.4	16.4	20T253	March 27, 2023	▪ Wake-up alarms are no longer silenced with cover to mute gesture to avoid accidental cancellations during sleep ▪ Cycle Tracking with retrospective ovulation estimates and cycle deviation alerts now supported in Moldova and Ukraine ▪ AFib History now available in Colombia, Malaysia, Moldova, Thailand, and Ukraine <i>Security notes</i> (https://support.apple.com/kb/HT213678)
9.5	16.5	20T562	May 18, 2023	▪ Add Pride Celebration watch face to honor the LGBTQ+ community and culture <i>Security notes</i> (https://support.apple.com/kb/HT213764)
9.5.1		20T570	May 30, 2023	
9.5.2		20T571	June 21, 2023	<i>Security notes</i> (https://support.apple.com/kb/HT213812)
9.6	16.6	20U73	July 24, 2023	
9.6.1		20U80	August 15, 2023	

9.6.2	16.6.1	20U90	September 7, 2023	<i>Security notes</i> (https://support.apple.com/kb/HT213907)
Post-watchOS 10 Updates for watches paired with an iOS 16.x iPhone (to support phones that iOS 17 does not support like iPhone 8, iPhone 8 Plus, iPhone X)				
9.6.3		20U502	September 21, 2023	<i>Final version to support iPhone 8, 8 Plus and X</i> <i>Security notes</i> (https://support.apple.com/kb/HT213929)

watchOS 10

Apple announced watchOS 10 at the 2023 Worldwide Developers Conference on June 5, 2023. With this release, Apple dropped support for iPhone 8, 8 Plus and X. All Apple Watch models supporting watchOS 9 also support watchOS 10.^[60]

Table of versions: watchOS 10.x – Apple Watch ^[61]					[hide]
Watch family: Series 4 · Series 5 · SE · Series 6 · Series 7 · Series 8 · Series 9 · Ultra · Ultra 2					
<i>Limited support on the Apple Watch Series 4, Apple Watch Series 5 and Apple Watch SE (1st generation).</i>					
watchOS version	iOS version based on	Build	Release date	Features	
10.0	17.0	21R356	September 18, 2023	<i>Initial release on Apple Watch Series 9 and Apple Watch Ultra 2</i> <i>Drops support for the iPhone 8, 8 Plus and X</i> - New Watch Faces: Snoopy, Palette, Nike Globe, and Solar Analog - Optimized Charge Limit is now available on Apple Watch SE, Series 6, Series 7, and Series 8. - Fixed: Apple Watch Series 6 (40mm) estimates maximum battery capacity more accurately.	
10.0.1	17.0.1	21R360	September 21, 2023	Bug Fixes	
10.0.2	17.0.2	21R371	September 26, 2023	<i>Ultra 2 and Series 9 only</i> Bug fixes that are specific to the Ultra 2 and Series 9	
10.1	17.1	21S67	October 25, 2023	- Double Tap gesture (select models) - NameDrop (select models) - Bug fixes	
10.1.1	17.1.1	21S71	November 7, 2023	Battery Drain Fixes	
10.2	17.2	21S364 ^[62]	December 11, 2023		
10.3	17.3	21S644	January 22, 2024		
10.3.1	17.3.1	21S651	February 8, 2024		
10.4	17.4	21T216	March 7, 2024		
10.5	17.5	21T575	May 13, 2024	- New Watch Faces: Pride Radiance - Bug fixes	
10.6 beta	17.6 beta	21U5551b	June 17, 2024		

watchOS 11

Apple announced watchOS 11 at the 2024 Worldwide Developers Conference on June 10, 2024. With this release, Apple dropped support for the Apple Watch Series 4, Apple Watch Series 5 and Apple Watch SE (1st generation).^[63]

Table of versions: watchOS 11.x – Apple Watch [hide]				
Watch family: SE (2nd) · Series 6 · Series 7 · Series 8 · Series 9 · Ultra · Ultra 2				
watchOS version	iOS version based on	Build	Release date	Features
11.0 beta 2	18.0 beta 2	22R5299d	June 24, 2024	<i>Drops support for the Apple Watch Series 4, Apple Watch Series 5 and Apple Watch SE (1st generation).</i>

See also

- tvOS
- macOS
- iOS
- iPadOS
- visionOS

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External links

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 - [Apple security content](https://support.apple.com/en-us/HT201222) (<https://support.apple.com/en-us/HT201222>) – for details about watchOS security updates
 - [About watchOS 9 Updates](https://support.apple.com/en-us/HT213436) (<https://support.apple.com/en-us/HT213436>) – Apple's official watchOS 9 release notes
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