

## Apple Watch Software Handout

### August 2017 updates on the watchOS 4



## Systemwide Improvements

A single process runs your app's UI elements and code, decreasing latency and making your app faster and more responsive without the need to change your code. Create an even better user experience with UI improvements, including support for full screen apps and overlapping layers that let your apps show text over video animations. You can now give apps permission for location usage right on Apple Watch. And the new autorotate feature lets users easily show content on Apple Watch to another person — great for apps related to payments, language translation, and accessibility.

## Bluetooth Support for More Accessories

Access to Core Bluetooth on Apple Watch lets your apps bypass the phone and connect directly with the Bluetooth in Apple Watch, so information is updated instantly and can be seen as soon as users raise their wrists. This feature is useful for a variety of apps, including continuous glucose monitors, surfing apps connected to surfboards with embedded sensors, and sports apps connected to tennis rackets or baseball bats with embedded swing analyzers. Information is sent directly to Apple Watch so users can immediately make adjustments.



For more information on this new software, visit: <https://developer.apple.com/watchos/>

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## Fitness and Motion

Workout apps can keep running in the background during a workout. Every time users raise their wrist, they'll see up-to-date metrics and live animations. Fitness apps can also access real-time heart rate data, the gyroscope, route map data, the all-day accelerometer, and enable Water Lock mode, allowing you to create compelling fitness experiences.

## New Background Modes

In addition to workout apps, a variety of other apps now have the ability to run in the background. Your turn-by-turn navigation apps can now appear every time users raise their wrist to see the next step in the directions. Apps for navigation, public transit, and tour guides can even send haptics so the user knows when to raise their wrist for timely information. Your audio recording apps can offer continuous voice memos, and you can create a custom UI when recording for real-time feedback.