

Hunter Research and Technology Releases Theodolite for Apple Watch

Published on 10/23/19

The classic explorer's tool comes to your wrist. Virginia based Hunter Research and Technology's popular iOS app Theodolite is now available as an independent watchOS app for Apple Watch, placing a suite of finely tuned measuring instruments on your wrist. Theodolite for Watch combines a compass, inclinometer, and GPS into one indispensable app, in a brilliant evolution of a centuries-old instrument still critical to today's navigation measurements on land, at sea, or in the air.

Williamsburg, Virginia - Theodolite for iPhone and iPad set a new benchmark for Augmented Reality apps on iOS, and now this powerful tool is optimized for Apple Watch, placing a suite of finely tuned measuring instruments on your wrist. Theodolite for Watch combines a compass, inclinometer, and GPS into one indispensable app, in a brilliant evolution of a centuries-old instrument still critical to today's navigation measurements on land, at sea, or in the air.

Theodolite for Watch combines data from the device sensors into an Attitude and Heading Reference System (AHRS) layout that resembles the glass cockpit of a modern aircraft. The new app displays compass bearing (yaw angle), pitch angle, and roll angle in a compact format accessible at a glance on a wearable screen. This data is further augmented by latitude, longitude, and altitude from GPS, as well as sun and moon position.

Theodolite has settings for true or magnetic compass mode, altitude units in feet or meters, and position format in decimal degrees or degrees-minutes-seconds. An artificial horizon can be shown in the center of the app display, and the app's level reference can be set to flat or vertical orientations of the Watch.

Theodolite runs on Series 1-5 Apple Watch models with watchOS 6 or later. On Watch models without a built-in compass sensor, Theodolite uses the device's gyro sensor to measure compass angle. A twist of the watch's digital crown adjusts and calibrates the gyro to the sun position, moon position, or a known bearing. The calibration is easy, and can be repeated as often as desired.

Theodolite for iPhone and iPad was one of the earliest augmented reality apps for iOS when it debuted in 2009, a pioneer in bringing AR and sensor technology to millions of consumers and professionals in their outdoor adventures and on the job. Now Theodolite for Watch brings this indispensable technology to your wrist.

Theodolite for Watch is available through the iOS App Store on an iPhone/iPad, or customers can go to the App Store directly on their Apple Watch and search "Theodolite for Watch" using dictation or scribble. Theodolite for Watch is available for an introductory price of \$1.99 (USD).

Theodolite for Watch:
<http://hrtapps.com/theodolitewatch/>

Purchase and Download from the App Store:
<https://apps.apple.com/app/theodolite-for-watch/id1480791708>

Theodolite for Watch - Overview Video:
<https://www.youtube.com/watch?v=nxCFnJ67Ghk&feature=youtu.be>

Screenshot:
<http://hrtapps.com/theodolitewatch/images/ss2g.jpg>

prMac: Publish Once, Broadcast the World :: <http://prmac.com>

Theodolite for iOS:
<http://hrtapps.com/theodolite/>

Hunter Research and Technology is run by Dr. Craig Hunter, a practicing engineer with over 25 years of experience in engineering and software development. Dr. Hunter received the NASA Software of the Year Award and an Apple Design Award (Best Scientific Computing Solution on Mac OS X) for his work in software development. He founded Hunter Research and Technology in 2008 to create innovative apps that leverage the advanced hardware and software capabilities of iOS devices and Macs. The company has numerous apps available on the App Store, and develops apps for a range of clients worldwide. Copyright (C) 2019 Hunter Research and Technology. All Rights Reserved. Apple, Apple Watch, iPhone, iPad, watchOS, and iOS are registered trademarks of Apple Inc. in the U.S. and/or other countries.

###

Craig Hunter
Founder

pr@hunter.pairsite.com

Link To Article: <https://prmac.com/release-id-83728.htm>
