

KS0519 Keystudio Programming DIY Smart Sports Watch for Arduino

From Keystudio Wiki

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Introduction



In general sense, the watch is ubiquitous in our life. So how about making a watch on your own?

The new rolled out smart sports watch by Keyes team can be taken as a step counter, an ordinary watch or an alarm clock.

That sounds cool, right?

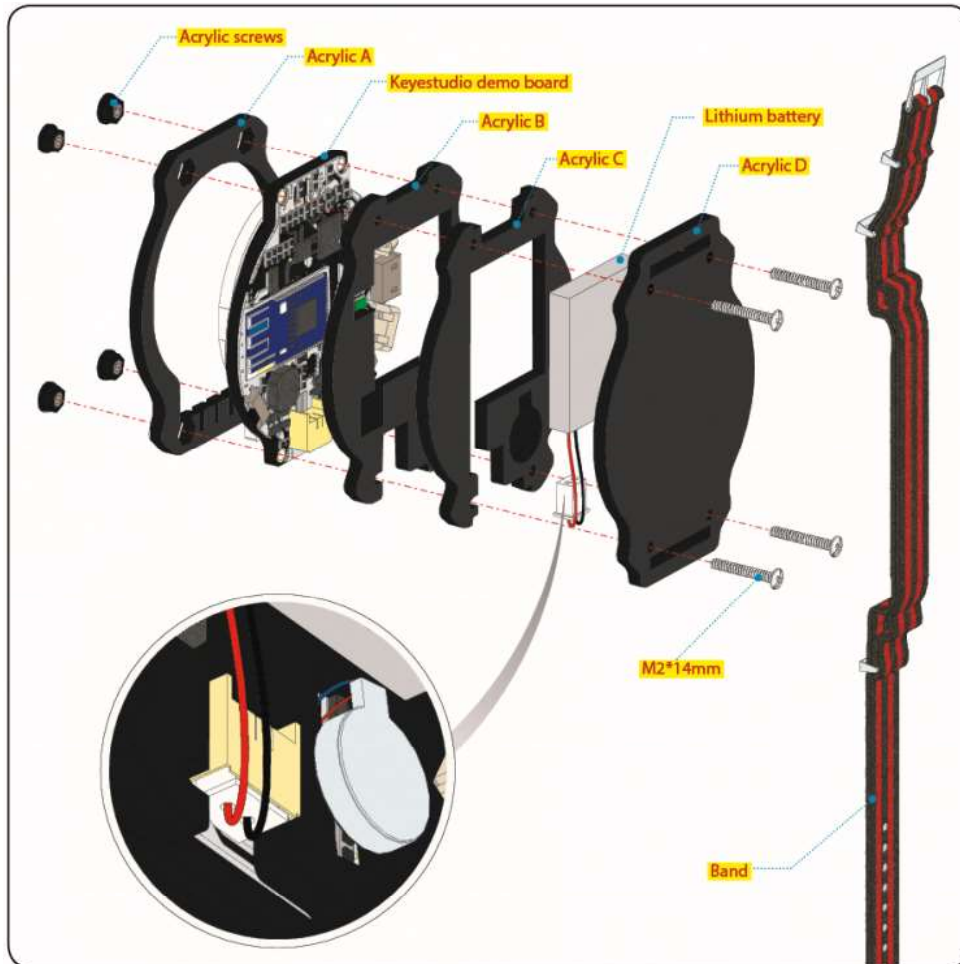
Product Kit

Check the components in this kit first when you get this watch.



Installation

◆Board A *1	◆board C *1	◆Lithium battery *1
◆Board B *1	◆Board D *1	◆Development board *1
◆Cross screwdriver*1	◆Nut*4	◆M2*14MM round head screw *4
◆Watch strap		



Function

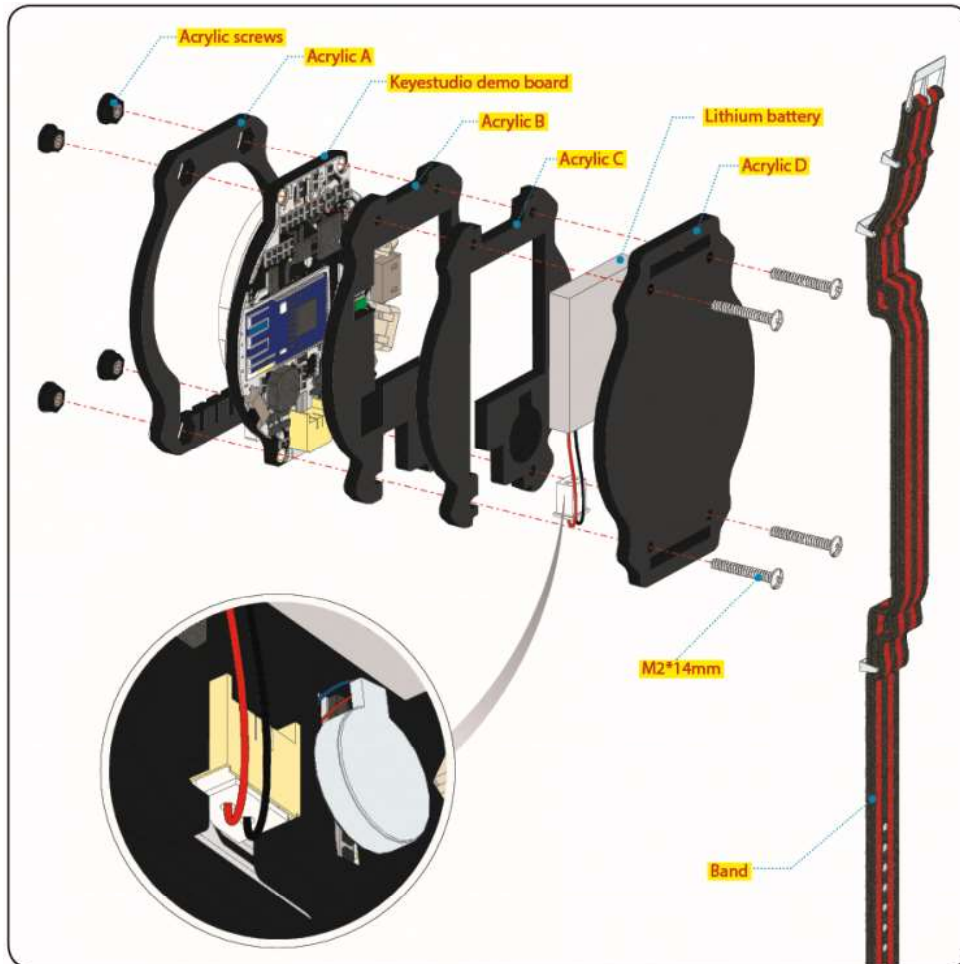
- (1) Built-in clock chip-----display time on screen through APP.
- (2)Inclusive of buzzer and motor----when setting the alarm clock on App, the watch will buzz and sound.
- (3)The screen shows the number of steps
- (4)Short press button to switch dialplate.
- (5)Long press button to make screen all black, and hold down again, the screen will be bright.
- (6)The screen shows the battery capacity
- (7)Adjust the screen brightness by APP

- (8)The lithium battery is included, which is rechargeable

Installation

Prepare the parts as follows:

◆Board A *1	◆board C *1	◆Lithium battery *1
◆Board B *1	◆Board D *1	◆Development board *1
◆Cross screwdriver*1	◆Nut*4	◆M2*14MM round head screw *4
◆Watch strap		



Application



- (1)The watch boots and displays time and steps when pulling up the power switch, The steps will increase when walking.
- (2)Short press function button, the set alarm clock and battery voltage will be shown. Press again to come back to initial interface; long press it, the screen will sleep or bright.
- (3) Pull up the Bluetooth switch, the blue LED will flash. Flashing means no Bluetooth connection; always on implies Bluetooth connected.
- (4) Press reset button to reboot the watch.
- (5)USB Interface is for charging and downloading program
- (6) The watch screen can show the English letters, numbers and symbols with different color and size.
- (7)display time: hour/minute/second
- (8) display“week”
- (9) display steps
- (10) TX is indicator to send data. It blinks when burning the program.
- (11)Bluetooth indicator-----Flashing means no Bluetooth connection; always on implies Bluetooth connected.
- (12)RX is indicator to receive data. It flashes when burning the program.
- (13) show the date: year/month/day

Install APP

1.iOS system

Go to App store to search keyes DIY watch and download.