



## Self Balancing segway style scooter for under 300.00

by [fuzz18](#) on April 8, 2013

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## Intro: Self Balancing segway style scooter for under 300.00

I've always wanted a Segway from the first day I saw one, but with the over 6000.00 price tag I couldn't afford one. Thankfully the parts required have come down in price dramatically. I managed to build one for under 300.00.

here is a list of the most important parts.

1x2" square steel on eBay but mine was scrap we got for free.

Sabertooth 2X25 motor controller from <http://www.dimensionengineering.com/products/sabertooth2x25>

electric mobility scooter motors ours are from the Jazzy electric chair the sell for 100-150.00 on eBay

5DOF IMU we got from eBay for 25.00 [http://www.ebay.com/itm/181004141876?ssPageName=STRK:MEWNX:IT&\\_trksid=p3984.m1439.l2649](http://www.ebay.com/itm/181004141876?ssPageName=STRK:MEWNX:IT&_trksid=p3984.m1439.l2649)

Sealed lead acid batteries 12v from eBay or from hardware store

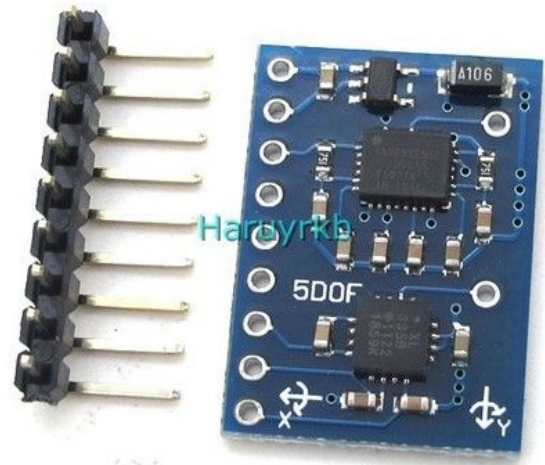
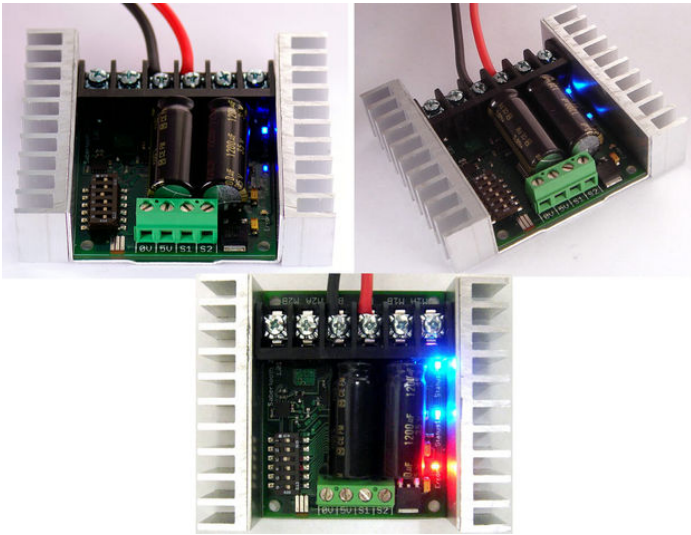
Thumb Joystick from spark-fun 3.95 <https://www.sparkfun.com/products/9032>

various switches and 10k potentiometers 5.00 from radio shack

code <http://www.instructables.com/files/orig/FLC/KUAL/H6730DTD/FLCKUALH6730DTD.txt> from sci chair instructable

schematic <http://www.instructables.com/files/orig/F6O/M84D/GYO8A9EU/F6OM84DGYO8A9EU.pdf> from sci chair instructable











## Related Instructables



**Seg...stick.** by  
scolton



**Self Balancing  
Scooter Ver 1.0**  
by ScitechWA



**Self Balancing  
Scooter Ver 2.0**  
by ScitechWA



**Angle  
measurement  
using gyro,  
accelerometer  
and Arduino** by  
otaviousp



**Steampunk  
Segway ( Legway )** by  
bdring



**Easy build self  
balancing  
electric  
skateboard** by  
XenonJohn

